

<210> 513

<211> 893

<212> DNA

<213> Homo sapiens

<400> 513

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<210> 514

<211> 784

<212> DNA

<213> Homo sapiens

<400> 514

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<210> 515

<211> 794

<212> DNA

<213> Homo sapiens

<400> 515

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 ccacaaactt tacagattta attagataga taatggatga tgTTaaaaac taagcagcat 180
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 ttaagttttg tccaggaaat tacttcagtt ggagctaatt tattggcacc ctttactaac 720
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<210> 516

<211> 692

<212> DNA

<213> Homo sapiens

<400> 516

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 tgcttggagt ttgccctgta ggctgactta tgagccatag cccaagtcac atcccgagaa 600
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 cttgctcagg gaatactctn tnnggtataa gt 692

<210> 517

<211> 785

<212> DNA

<213> Homo sapiens

<400> 517

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gatccagcag gagctggagc agtgtgacgt ccccgangac gtgcgggttg gctgcctgac 720
cacagacttc gccatgcana atgttctgct gcaaatgggg ctgcacgtgc tggccggtgg 780
aacng 785
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<210> 518

<211> 901

<212> DNA

<213> Homo sapiens

<400> 518

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aatagccgcg tgtttactgc aaatccacag ctgcaggagc agatgcggcc acagctccca 360
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<210> 519

<211> 771

<212> DNA

<213> Homo sapiens

<400> 519

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 ttcagggatg ggaaaatccc ccacaccag ccttcatcat ccataatcca gaccacttcc 180
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 tgacaagaag gctccctatg aatctcttat cattgatggg tanggccatt tgctttcctc 720

ttacctggga catccactag aacctctttt ctgggtaat ncttttncctt t

771

<210> 520

<211> 684

<212> DNA

<213> Homo sapiens

<400> 520

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ctcttaaaac tcaacaataa gaacttaaca gatatgcccc aaagaagtn tcngatgaen 660
agtaagattt gaaaaaaaaat gctg 684

<210> 521

<211> 833

<212> DNA

<213> Homo sapiens

<400> 521

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cattctggta atagatatgt gacaatagac aaaaagatat aatatgttag gtggttaacta 180
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<210> 522

<211> 696

<212> DNA

<213> Homo sapiens

<400> 522

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 gagaagagat gtcagaacac tttccctat attaatcaaa tcctgttttt agaattaaac 180
 atatagaaga attaaacatt tagaatgaaa catatagaag actgaataga ttaagtgttt 240
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 caagcacttt gggaggccaa ggcagggtgaa tcacttgagc tcaggagttc gagaccaacc 600

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<210> 523

<211> 828

<212> DNA

<213> Homo sapiens

<400> 523

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atgcataaat atttaccatg ttggaaacta aagcagaaac tttttaagaa tggagaaata 240
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tatttaacag nctcataatg gtacttcagc ttcataaata ttggaacacc actatggttg 780
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<210> 524

<211> 805

<212> DNA

<213> Homo sapiens

<400> 524

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<210> 525

<211> 788

<212> DNA

<213> Homo sapiens

<400> 525

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<211> 807

<212> DNA

<213> Homo sapiens

<400> 526

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<210> 527

<211> 828

<212> DNA

<213> Homo sapiens

<400> 527

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<210> 528

<211> 309

<212> DNA

<213> Homo sapiens

<400> 528

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tttaggctgg gtgcggtggc ccatgcctgt aatcccagta ctttgggagg ccaaaagagg 180
gtgggtcacc tgaggtcagg agttagagag cagcctgacc aacatagtga aaccatgtct 240
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<210> 529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 529

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caagagggat atgacagatc ttcaaccatg ttaacattgg ggccttttag aaattctaatt 180
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ctgatgcagg atgatactag aggcattgtt atggaaacaa ctgtgttttg tacttccgaa 600
gatgggcttg tatctggttt cggacggact gttaatgaca atttgatcga cgggaattgc 660
acaccccaga atccaccaca aaagaaaaag ggttctctat tagaataccg taagagacaa 720
cgtgaagcta gggaaaagtg gctctaagac agagaacttt ccactcanta gtgnatcacc 780
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<211> 765

<212> DNA

<213> Homo sapiens

<400> 530

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gcaatgagat gaacaccgac accttctcga ggagattaac aaagctggaa aggagctggg  660
gatcatccca accatcatcc gggatganga actgaagacg agaggatttg gaggaatcta  720
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<210> 531

<211> 800

<212> DNA

<213> Homo sapiens

<400> 531

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tagagagact gaacaaacag cgggaagcag gttttctctg tgactgtacc atagtgattg  180
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<210> 532

<211> 606

<212> DNA

<213> Homo sapiens

<400> 532

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<210> 533

<211> 703

<212> DNA

<213> Homo sapiens

<400> 533

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ccgagaggca cgtggctcca gccggtgtgg acctgggcct ctgctgcccc cgtctgcccc  180
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<210> 534

<211> 756

<212> DNA

<213> Homo sapiens

<400> 534

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cttctgagct caggttgggg ggagttggag ccacaaatag atggtcagac ctgggctgag  180
cgggcacttc gggagaatga acgccacgcc ttcacctgcc ggggtggcagg ggggcctggc  240
acccccagat tggcctggta tctggatgga cagctgcagg aggccagcac ctcaagactg  300

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 ncgcagcctg gcacacaacc ttttcgttgt ggnccaccaat gaccctgggt gttaaccaat 720
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<210> 535

<211> 871

<212> DNA

<213> Homo sapiens

<400> 535

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 aagagagggt tgcctttctg ggctagggaa gtggctggag cttctgcctg accttcccta 780
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871

<210> 536

<211> 864

<212> DNA

<213> Homo sapiens

<400> 536

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ttagattttc tgtatttcat ctgccagatt atttgaatca cacaggatga tgtgttaaca	180
gtattagggt ggaagaggaa tcaagagtaa agaggtaggg gtttactcat ttttcttccc	240
tgagccaggt gtgacaagcc aactctgtca ccattcgtga ggggagagtt gcagtcctct	300
tcaagctgtt atcataagta cagtagtcag ctacttggat atcaagacta agtgctgata	360
tgaagacttg ccttttgtgt ttgttatgaa acacgcaagc ataaagcagg actcaagcac	420
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tctcgggatt gcaggttgaa aaacacacct taatcagcag taaatcttct ctactcggnc	780
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<210> 537

<211> 773

<212> DNA

<213> Homo sapiens

<400> 537

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tgacatggta tttcattgtg attttaattt gcatttcctt gatgataagt gatattgagc	180
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caactgtcac actgattgta cctaacattg aaatgttaga aatgtatttc agattatatt	540
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ggagtgtctt aatgaatgac tctacttaga cttccccag agaaatgatt acataataat	660
actttgtata ggacatctta taaaaagctt aaagtatttt gnatatagac tcattaatca	720
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<210> 538

<211> 856

<212> DNA

<213> Homo sapiens

<400> 538

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aaacaaaact aaagactcta ccaaaaaact catagaactg ataaattttg aaaagttaga	420
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gaaaaagaaa tcaaggtaac cccatttata atagctgtga aaaaaatcta ggaataaatt. 540
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<210> 539

<211> 791

<212> DNA

<213> Homo sapiens

<400> 539

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<210> 540

<211> 865

<212> DNA

<213> Homo sapiens

<400> 540

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<210> 541

<211> 562

<212> DNA

<213> Homo sapiens

<400> 541

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<210> 542

<211> 865

<212> DNA

<213> Homo sapiens

<400> 542

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<210> 543

<211> 756

<212> DNA

<213> Homo sapiens

<400> 543

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gcggcccgca gccggcgag ccaggagacc gaggtgctgt accagctggc tcacacgctg 180
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<210> 544

<211> 797

<212> DNA

<213> Homo sapiens

<400> 544

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 tttgggtaag cccaat 797

<210> 545

<211> 808

<212> DNA

<213> Homo sapiens

<400> 545

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 gactccagta ctcaagacag gctcatagcg ctgaaagcag taacaaatit tggcgttcca 720
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<210> 546

<211> 824

<212> DNA

<213> Homo sapiens

<400> 546

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 tttatgacta tatattaaat gttttatitit ttcaaataat ttttccaaat ggtctcagtt 180
 tcccatccaa gggaaatcaa gcatatgcct aaagatctac tgttcagtaa gttgtagcta 240
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<210> 547

<211> 835

<212> DNA

<213> Homo sapiens

<400> 547

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gggtggtgaca atagttacat ctctgtgact gctcccgag agcgggacta ctccatatag  180
gcagtgtgct gagagcagca gctcaggaac agtctgcagt catatttata cctgctctta  240
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ggaatttaga attcaggacg tggagagtgt taccagcaat atggcagaat aggagttcct  720
tgggttcaca caccacccc ccaaaatgta actagcaatg atccgcangc aaaaaatact  780
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<210> 548

<211> 803

<212> DNA

<213> Homo sapiens

<400> 548

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ggagggttcg aagaaaacat ccagggcgga ggctcagctg tgattgacat ggagaacatg  180

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gatgatacct caggctctag cticgaggat atgggtgagc tgcacagcg cctgcgcgag 240
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 tccttcattt actttcttgc tacctgtgca acgcccagat caccatgctt gcanatgttg 720
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 ccacttcacg cctttttnta cct 803

<210> 549

<211> 790

<212> DNA

<213> Homo sapiens

<400> 549

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 cctgtctcta cttccaactg ccttaacagt tcccactcag caactccact gggaagtctg 480
 tccgcaacgc tccactgttc aagcacttca gcctctccaa gctgctagag ggaccattca 540
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gactagctct ggattatttc ctggataacc cttacaacag cagcaagttg gtggctttga 720
 ngggcctgaa caagacgaat ttgataaagt cctggcaagc atggaanttg gangaacctg 780
 gcattgggaa 790

<210> 550

<211> 753

<212> DNA

<213> Homo sapiens

<400> 550

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 gacatgtaca atgacacatt aaatggcagt acagagaaaa ggagtgcaga attgcctgat 180
 gctgtgggac ctattgttca gttacaagag aaactttatg tgcctgtaaa agaataccca 240
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 gcctttttctc ttgcagcaac agcccaggct gctccaagga tcattactgg gcctgcgccg 660
 gttctccac cagctgccct tgcgtactcc tacgccagct ggccctacca taatgccttt 720
 gatcagacca antncngacc ggttgtcatt gcc 753

<210> 551

<211> 778

<212> DNA

<213> Homo sapiens

<400> 551

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 actttcttat tcattaattc aacaaatatt tattccctat cacctttatt tatgcatttc 180
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 aacctaatat gatTTTTTaa gaaatttata atttcattag agaaatagat gtataaacia 300
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 cagcacacta ccagatgcc ttatttagaa tcgaagcatt ggtttccttc aggttttggg 660
 agtggttggt gctgatggct catagntgag tctctttctg agacaaaggg angtgtctca 720
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<210> 552

<211> 761

<212> DNA

<213> Homo sapiens

<400> 552

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 cgagaagatc gcgctgcaca atcagaagca ggcggaggag acggcggcct tcgaggaggt 180
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 acatcagaag cagacaaaaa cctttccaag caaacattgg acaccaagaa gacnggggtcc 720
 aaggnccaaa atcctngtaa ggtcccccg aaattaaaca t 761

<210> 553

<211> 734

<212> DNA

<213> Homo sapiens

<400> 553

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 tcgcagcggc cagaaacccg gctccgagcg gcggcggccc ggcttccgct gcccgtgagc 120
 taaggacggt ccgctccctc tagccagctc cgaatcctga tccaggcggg ggccaggggc 180
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 attttattaa tataaataga gttggggggg gtttgctggg ttggccangt tggncatcaa 720
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<210> 554

<211> 667

<212> DNA

<213> Homo sapiens

<400> 554

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gaaggattga taaaagtctt cctgggtgtc cgcagagtg ccttcagga acagatcttt 180
gcatagaata tcagtgtttt ctttttttgt ttcaaatagt ggtcagaaaa taccagtgt 240
tgactcacca aggcaatcag cttccttttt cccttttttt gttttttttt aacattttat 300
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tgggtttcac catgttgcc aggatggtct ctatctcctg acctgtgat ctgcctgcct 540
cagcttccca aagtgtgag atgacagggtg tgagccatca gaccagcat ttttttttt 600
aatttaaatt taaatttttt tcattttttt gagaggtttt tttgttttg nttgttgnt 660
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<210> 555

<211> 823

<212> DNA

<213> Homo sapiens

<400> 555

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atgtcaacat ttaacagatt tgagccttct aaatttaatc cagcatgaat gtcgttttta 420

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ctaaaatatt tgctatittta ctacattagc tggttcctta cacaagtcca gttaaatttc 480
 acatgtgaaa aaaatgactg aaaacactga atggaatgtg atactccttg tgtagtagaa 540
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 gctgttacga tctgagtttt aaaaatggaa aatgtttcat gttttagaga atgtaaactt 660
 ccacaagggg cagagattgg taatacgttg tccccccagt ggacttaaaa cagtactggc 720
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<210> 556

<211> 868

<212> DNA

<213> Homo sapiens

<400> 556

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 gggccccgct cagagcccac ccacctttgg gtccctgttg gacatcgatg gagtgcttgt 180
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 acaggggccc gtgatggaaa atgccaggg actgggcttc cgaaatgtcg tcaccgtgga 480
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 tctcctgtgg atggctgaag ccaaanatgc ccaggtttgg acatggcacc ttttctgctt 780
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<210> 557

<211> 862

<212> DNA

<213> Homo sapiens

<400> 557

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aaacgatgag atggtttttg tttgtggtac caatgcattc aatcccatgt gtagatacta  180
caggttgagt acctagaat atgatgggga agaaattagt ggcctggcaa gatgccatt  240
tgatgccaga caaaccaatg ttgccctctt tgctgatggg aagctgtatt ctgccacagt  300
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caaggctgtg tattcccgcg tggcccgcgt atgtaaaaac gacatgggtg gttcccagcg  540
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tgtgcattta gcatggatga cattgaaaaa gtattcaaag gacggtttaa gggaacagaa  780
aaacttccag attctgtttg ggacagcagt ttcccgaaga caaagtgccc aagccaaggc  840
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<210> 558

<211> 862

<212> DNA

<213> Homo sapiens

<400> 558

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<210> 559

<211> 849

<212> DNA

<213> Homo sapiens

<400> 559

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 taaaaagcaa tcctaaaaca gaaggaactg ccgggttggc tttctaccaa atattgtttg 780
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<210> 560

<211> 702

<212> DNA

<213> Homo sapiens

<400> 560

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<210> 561

<211> 856

<212> DNA

<213> Homo sapiens

<400> 561

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gacttcgagg ctgacgacac ctgcctggca cactgctggg tggtagtgcg gctggacggc  180
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gtgttgatat ggcanaaggt ggatgaagtg atgacaaaaa gaaattaagc tgccaacaga  780
aatggaagga aaaaagatgg cagtgacccc ggaccaggac aaaccagtgc ccttgnactg  840
ggatatcatc ggggat                                     856

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<210> 562

<211> 841

<212> DNA

<213> Homo sapiens

<400> 562

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tatataatca atcactttga tgtcagttaa tcctaccaac acaagattaa aggtttaaaa  120

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 gntaaactaa acatgggcag aactgcttta agcctttgaa tcttgntctt aaagccaggt 780
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<210> 563

<211> 777

<212> DNA

<213> Homo sapiens

<400> 563

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 aatacattcc ccaacataca taataattat aaaataatat agtaactgtt aagttatttc 180
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tattacgccg tgctgcaagg ttatggttct ccagatggac accattacat tttttttttt 720
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<210> 564

<211> 753

<212> DNA

<213> Homo sapiens

<400> 564

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gcagtaagtc agacaatatt tgccacaata atg 753

<210> 565

<211> 866

<212> DNA

<213> Homo sapiens

<400> 565

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tggaaggctg aggcacatgg accacttgag gtcaagagtt tgagaccagc ctgaccaaca	180
tggtgaaacc ccatttctac taaaaataac aacagttagc taggcgttgt ggcacatccc	240
tgtaattccg gctactcggg aggccgaggc gggagaattg cttgaaccgg ggaggtggag	300
gttgtagtga gctgagattg tgccattgca ctccagcctg ggctacaaga gccaaactcc	360
gttttaaaaa aaaaatgtgg ttgctttctc tggcagctag ccctcctcct gaagcagtct	420
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<210> 566

<211> 813

<212> DNA

<213> Homo sapiens

<400> 566

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ttatactagt ttgtataaac tgttcaactc ctatagctct tacgtctcac tctcagttag	180
ctggtaacag aatcttcaca gacaagtggg tgcacattcc atttatttag caatgccctc	240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg gtgtgtatag gtttaattttg	300

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 tgtgatanga taagtgaag atangaagta catttttaac atctattcag ttagcattaa 720
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<210> 567

<211> 816

<212> DNA

<213> Homo sapiens

<400> 567

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 cactaggtac tgtaataaag aactggagaa atacagtcag atgggaagta gccctgctg 720
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816

<210> 568

<211> 825

<212> DNA

<213> Homo sapiens

<400> 568

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gcataagact atgcaataat ttttaatcat tagtattaat ggtgtattaa aagttgttgt   180
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ttcagatcac ctgatgaaag gagcagggaa caggaagagg gtggtgtaaa cattataaaa   300
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<210> 569

<211> 800

<212> DNA

<213> Homo sapiens

<400> 569

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 gcttcggaga ctccagacaa tcgccttttg cctcctcgtc ggagcactcc tcggagaacg 180
 ggagcttgcg cttctccaca ccgcccgggg agctggacgg agggatctcg gggcgagcg 240
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<210> 570

<211> 892

<212> DNA

<213> Homo sapiens

<400> 570

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 agaactggaa gaagacaagg atgcctgctt tgaccactcc tgctcagata gtgctggaag 180
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 aatcaacata caaaaatcag tagtgtttct atacaccagt aacaaactag ctttaaaaaa 420
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<210> 571

<211> 876

<212> DNA

<213> Homo sapiens

<400> 571

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<210> 572

<211> 879

<212> DNA

<213> Homo sapiens

<400> 572

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aatttctgac cttcattttt gtttcccaac cttttttttt tgtttgatat gaggggttcc 240
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ccatggaaaa attaatcaac agagtgggac ctaatggtga gaggataagg gcttctgatt 480
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<210> 573

<211> 833

<212> DNA

<213> Homo sapiens

<400> 573

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<210> 574

<211> 894

<212> DNA

<213> Homo sapiens

<400> 574

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 aacaggaagt gaacctgggt ctctgtgaag acagaagatg aagatgagcc cangctactt 840
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<210> 575

<211> 861

<212> DNA

<213> Homo sapiens

<400> 575

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<210> 576

<211> 889

<212> DNA

<213> Homo sapiens

<400> 576

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ggattatfff tatagaccat ggaaagttac aaatgttttt aagcagagaa ttacgtcttt   840
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<210> 577

<211> 804

<212> DNA

<213> Homo sapiens

<400> 577

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<210> 578

<211> 893

<212> DNA

<213> Homo sapiens

<400> 578

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<210> 579

<211> 892

<212> DNA

<213> Homo sapiens

<400> 579

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<210> 580

<211> 887

<212> DNA

<213> Homo sapiens

<400> 580

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<210> 581

<211> 801

<212> DNA

<213> Homo sapiens

<400> 581

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<210> 582

<211> 847

<212> DNA

<213> Homo sapiens

<400> 582

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<210> 583

<211> 825

<212> DNA

<213> Homo sapiens

<400> 583

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 actatcaaca caactaccta ctatctcttc tctatctggg aagtagcaaa gatctatctg 180
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<210> 584

<211> 902

<212> DNA

<213> Homo sapiens

<400> 584

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<211> 739

<212> DNA

<213> Homo sapiens

<400> 585

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<210> 586

<211> 783

<212> DNA

<213> Homo sapiens

<400> 586

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<210> 587

<211> 827

<212> DNA

<213> Homo sapiens

<400> 587

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<210> 588

<211> 379

<212> DNA

<213> Homo sapiens

<400> 588

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gggatcgtan gcgngagcc 379

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<210> 589

<211> 710

<212> DNA

<213> Homo sapiens

<400> 589

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<210> 590

<211> 813

<212> DNA

<213> Homo sapiens

<400> 590

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<210> 591

<211> 787

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 805

<212> DNA

<213> Homo. sapiens

<400> 592

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<210> 593

<211> 826

<212> DNA

<213> Homo sapiens

<400> 593

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<210> 594

<211> 800

<212> DNA

<213> Homo sapiens

<400> 594

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<210> 595

<211> 803

<212> DNA

<213> Homo sapiens

<400> 595

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<210> 596

<211> 745

<212> DNA

<213> Homo sapiens

<400> 596

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<210> 597

<211> 764

<212> DNA

<213> Homo sapiens

<400> 597

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<210> 598

<211> 777

<212> DNA

<213> Homo sapiens

<400> 598

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<210> 599

<211> 819

<212> DNA

<213> Homo sapiens

<400> 599

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<210> 600

<211> 760

<212> DNA

<213> Homo sapiens

<400> 600

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<210> 601

<211> 828

<212> DNA

<213> Homo sapiens

<400> 601

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<210> 602

<211> 847

<212> DNA

<213> Homo sapiens

<400> 602

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<210> 603

<211> 798

<212> DNA

<213> Homo sapiens

<400> 603

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 gccttttgta gtcagacttt tatgatttgt tgaattataa aatacatgta aactgtaaac 360
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<210> 604

<211> 725

<212> DNA

<213> Homo sapiens

<400> 604

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<210> 605

<211> 723

<212> DNA

<213> Homo sapiens

<400> 605

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<210> 606

<211> 852

<212> DNA

<213> Homo sapiens

<400> 606

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<210> 607

<211> 868

<212> DNA

<213> Homo sapiens

<400> 607

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<210> 608

<211> 819

<212> DNA

<213> Homo sapiens

<400> 608

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<210> 609

<211> 865

<212> DNA

<213> Homo sapiens

<400> 609

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<210> 610

<211> 825

<212> DNA

<213> Homo sapiens

<400> 610

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 tgtttttact gaccaaagct ttctatccta tntagagtgt ctganaacta gaanggccca 780
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<210> 611

<211> 869

<212> DNA

<213> Homo sapiens

<400> 611

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 gttagcactg aaagatacta atgttaagaa cagatgtcta ctgncgtgatt attgggaaaa 720
 tattagtgtt tcttantaga agcaacacag ttttttttaa tactagattt ctcattctga 780
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<210> 612

<211> 866

<212> DNA

<213> Homo sapiens

<400> 612

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tgaaatggta gatataccaa caaaacttca gactgtaaaa ttgccaggat gcagttttcc 480
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taatttttta aaacatgcc aacattgtat cacaatgtta atgtgccaag atattgggtcc 720
tgtcatgcag agtataagaa tgctttgaac aatttgtaga cttagtgaat taaaataaga 780
ggaaagccaa aaacaaacaa ccaaagcat atggggagct gnattttctc ttttaacttac 840
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<210> 613

<211> 684

<212> DNA

<213> Homo sapiens

<400> 613

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ggcagtacca caccctgcag gctggcttca gctctcgctc tcagggcctg agtggggaca 180
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 atccgtgccc ctgccgtgcg gaccctgcag cgattccaga caagccaccg gacccgnggg 660
 gtangcgggc antgccgggg gccg 684

<210> 614

<211> 716

<212> DNA

<213> Homo sapiens

<400> 614

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 cagcctcctg agtagctggg attacaggca cccgccacca cccccgcta attttttgta 180
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<210> 615

<211> 856

<212> DNA

<213> Homo sapiens

<400> 615

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aaaccaatgt agaaactgag gagcttgggc aaagtgtgtc atttatcggt ctggggctag 180
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ccaggnccta actgng 856
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<210> 616

<211> 781

<212> DNA

<213> Homo sapiens

<400> 616

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 ggcagtatac agaagccata tcagttgggtg aaaaacttta tcagttcata gagccttttg 180
 aagaaaaatt tgcccaagca gtgtgttttt tgcttgtaga cctgtatata ttaacctacc 240
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<210> 617

<211> 724

<212> DNA

<213> Homo sapiens

<400> 617

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 gaagaggaga aggctgctga cattgacctc taccactgcc ccaactgtga agtcttgcatt 180
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gatgtgattg atgtgacccg ccaggctgac tgcaagatga agcttggatga ttttgtgaaa 540
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accagacttt ctaaccttgt ggagacaccg aagattgttc gaaagctgtc atgggtcgaa 660
aacttgtggc cagaggaatg tgnctttgag agacccaatg tncagaanta ctggctcatg 720
aatg 724

<210> 618

<211> 768

<212> DNA

<213> Homo sapiens

<400> 618

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gtcatgtacg ccagatcttg catagtttac caggctcactt tagcagccac tacaaaaagt 180
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ctgctttgct gcgccttttc ctctcccgac ctgctgagtg ccaggacatg ctaggacgtt 720
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<210> 619

<211> 866

<212> DNA

<213> Homo sapiens

<400> 619

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atcttctagc aagccgcaga gtagaagagg ctttggtttt agcaaaagga gcccgaggga  180
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cnaggaacta gtgtgggcct atgctgatgg gtcctgcana aaagtgaaga ggtcgtttca  840
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<210> 620

<211> 855

<212> DNA

<213> Homo sapiens

<400> 620

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tggaggtttt gatgtccagt tggtcacagt gtagagcttg tggagcttta gtttatgatg  180
aagaaattat ggctggatgg acagcagatg actcaaattt gaatacagct tgtccattct  240

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gtaaaagcaa cttcttgcct cttctcaata tagaattcaa agatttgaga ggttctgcaa 300
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tgccctactt gagtcctcta gtacttccgt aaagaacttg gaatctttgc tagaaaatga 780
aagtgatca aggtgattca tacatcttct ttcacatc aacatncaat cattttctgg 840
gaaccctngg ttngg 855

<210> 621

<211> 758

<212> DNA

<213> Homo sapiens

<400> 621

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gcatttgtgg gaactcagcg ggcctgagtg ccagccct gcggagtaca cagggtcac 660

ccacatcatg ggcccctacc cagggtaccg agatcaaaaa gangagtgtg tcctcttgac 720
ccctggggct gnatctcctt gntgggtgact tcctgggg 758

<210> 622

<211> 764

<212> DNA

<213> Homo sapiens

<400> 622

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cggtgccatn ccctttatta aacgcagatt ccttncataa gccc 764

<210> 623

<211> 800

<212> DNA

<213> Homo sapiens

<400> 623

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<210> 624

<211> 877

<212> DNA

<213> Homo sapiens

<400> 624

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<210> 625

<211> 794

<212> DNA

<213> Homo sapiens

<400> 625

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 tcaggcatat gtgcatata tgacagaaca tcttgacaa cagtctgaat ttgctgcaac 180
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 tactctagta agaataacat atttgaaaca gcagcagcaa tcaattaaat attgntaata 720
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 cttcttttct actg 794

<210> 626

<211> 744

<212> DNA

<213> Homo sapiens

<400> 626

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cagatgtgtg cagggcctca ttttgcagag caaagacaga tgtttcaacc acacgcttta  660
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<210> 627

<211> 895

<212> DNA

<213> Homo sapiens

<400> 627

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agcccactgc cggcggctgg gcgctgccga ggctcggggc gcgcgcagtt ggcgtctgcc   60
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gccgctgcct tcgctttctc ttcgttgttg cgaacgccgt ccgctcagga ggcgccccgc  180
    
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gaccggcgcg atgagtgcc aacaggacca ggagatggaa ctagaagcat tacgctctat 240
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 aacacctcca attctatcta tgaacgcttt tttttaacaa caccatatca tcagctgtaa 420
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 gaaagacatt ctttaaagag taaactgggt tcaaaaactt tcattactaa tttctgggat 840
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<210> 628

<211> 751

<212> DNA

<213> Homo sapiens

<400> 628

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 aatcagtga cctacgttga tacatcatta ttgaagncc atagcttaca ttagggttca 180
 ctcttggtat tgnacattca actgctttga caaatgtgta atgacgtgtg tctaccatta 240
 tagtaccata nagaatactt gcactgccct aaaaatcctc tgtgctccac ctgttcatcc 300
 caccctcctt cctaatecct ggcaactact gatcttgcta cttcctccat agttttgcct 360
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 cactttgtaa tatgtactta agtttctcca tgtcttcatg gtttgatatt tcttcttacc 480
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ttaggttttc atgtggacat tagttttcag ctgatttgag taaataccaa gaagcatgat 660
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 ttaaaccctct gggagtacca aggggaagtag g 751

<210> 629

<211> 734

<212> DNA

<213> Homo sapiens

<400> 629

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 ctttacctct gcattatact ccaaaaaacc cgtaatccca gacaatcatg agaaaacatc 180
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 atgactcact gcagccttgg cctcccgggc tcaggcgatc ctctgcctc agcctccaga 420
 gtctctggga ctacaggagt ctcgctcttt cgctgaggct ggcttgcaat ggcacgacct 480
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 gaccacgagc atcttttcat cttcgnatcc taacagccag caggcacttg gtgaaaaagc 720
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<210> 630

<211> 740

<212> DNA

<213> Homo sapiens

<400> 630

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agagcagaca ctgcgatgac aacggacgac acagaagtgc ccgctatgac tctagcaccg 180
ggccacgccg ctctggaaac tcaaacgctg agcgctgaga cctcttctag ggctcaacc 240
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gagacatcag ccgccagtgg cagccccgag ggagctggaa tgaccacagt tcagaccatc 420
acaggcagtg atcccaggga agccatcttt gacacccttt gcaccgatga cagctctgaa 480
gaggcaaaga cactcacaat ggacatattg acattggctc acacctccac agaagctaag 540
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cgggcctcag agagcagcgc ctcttccgac ggcccccatc cagtcacac cccgtcacgg 660
gcctcagaga gcaaccgcct ctttcgacgg nccccatnca gtcacaccc cgtcatgggt 720
ccccgggat ctgatgnccg 740

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<210> 631

<211> 478

<212> DNA

<213> Homo sapiens

<400> 631

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ccattgctca gctcaaagtg gtacagacca agtatgtgga agccaaggac tgtctgaacg 180
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agtggagtgg ggggtttcac catgttgcc aggctagtct cgaactcctg acctcgtgat 420
ccgntgcct cggncncca aagtgctagg attacattac aggcgtgagc cactgccc 478

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<210> 632

<211> 724

<212> DNA

<213> Homo sapiens

<400> 632

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tttgctgagt ttgctgaggg aagactgttt tctgttctct ctctcacaca cagagtggat   60
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cactcccagc tggcccagtt tgtgcatgag gtgaagaaga gcccctttgg caaggatgtt  180
cggctgggtct cccttggctc ccggcaggta aacagtagcc agtatttcca ccaggggcca  240
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gtgacaggct gaaccgtgtg aggagcagcc ccctccctga cctggccggc ccagcactgg  360
aaggcaaagg agaggtggcg gggcaggctc acatgtgttg gtaggatgtc atttagctgg  420
caccatcttt ttgcctcttt ctttctcctt tgctgcagaa cttttgtgta aatgaagacg  480
tgaaaagcct aggttctgtg cagcttatca acgaccgctg cgtggacatg cagagaagca  540
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gggtggcagt gactgaagac cattaagtgt ctttcataga aagaatggca naggagaccc  660
caggttcttc ctgagtcctc tctncttggg aaaaagtgtt cctactctct gggtcantgt  720
ctgg                                     724

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<210> 633

<211> 677

<212> DNA

<213> Homo sapiens

<400> 633

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actccttttt tggcaattta acatatacat ggatcaagtt tagtaggttt agaggaaaat  120

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gaatgtcttg ttctgaaaaa atagcagtac cagctgagct ttggggaggt gacagattga 180
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 tttctcaaag taaatactgg gttggtaccc cagagttatg caccactgaa catggatttt 480
 aacttaaaat acttaagggc agatTTTTT tacgtagtttt cttgactaac agagcaaccc 540
 agtgcagttc ctaaagactt ctgattttgt gtagcaccag ctctgntgc attttctgaa 600
 tgaattagta ttaaaaatgg agccccaaga agctggntaa attttttagcc ttctgcattt 660
 aagctgtanc ccagctg 677

<210> 634

<211> 817

<212> DNA

<213> Homo sapiens

<400> 634

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 ctaatgtgtt atgacgtttt catcttgact ttattgatga tatattttcc tttaaaattt 180
 ttaaactttt taggtagacc cttatctctt ttatagattt tggtttcctt tttttatcac 240
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 tatttttaat gtttaaatgt ttgatccatc tgaaatttat tttgtatat ggtgtaagat 360
 ggggatccag ctataacatt ttgttcacat tggataacctg attgtgacat ttatttaaaa 420
 tgttacccat tttcaaattt ctgagccaat atcatgattt aattatagtg gcttcacgtg 480
 aagttttaga atccgataaa gcaagtccca cttcattagt ttttttttc tttatataat 540
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 taatattaaa tcttagcact caagagtctt cgtacatcat tgaaatcttt tggctcttggt 720

attggaatat tcttcacgta agtatatcat anctaactga atttatttct aagnattttt 780
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<210> 635

<211> 794

<212> DNA

<213> Homo sapiens

<400> 635

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ccgggtgtttc tgcattgggt acgatttgtt tcgtttcaga agaaatacgc cataaaagca 180
tgctttccact ttaatgtttc agttggttca ttttattggc ctcagtcttc tcgtctactt 240
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atgctgtcta ctatctttgg ttatcccaaa agtattttgt ctgggtgtcc tcaacatcct 360
tttctgtcat ttacctcact tcttaaagat gctctccctc tcagatttct cttgttctct 420
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gaggtttgac tgtctggggc ctgtaaaagc tgacaaagtc tccatgctgc ccaacttctc 720
tgacaacaag tacttctctg tgcgacaagg ncagcttgctc aaataagatg cttcatgagc 780
atatatgnac tgnt 794

<210> 636

<211> 894

<212> DNA

<213> Homo sapiens

<400> 636

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agtctgtcat tcagtctgca ggtgtcagtg ttttgacaa tgaggcacca ttgtcactta 180
ttgactcctc agctctaaat gctgaaatta aatcttgtca tgacaagtct ggaattcctg 240
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atcctttcaa tattgcagaa ccacgagtgg atttacacac ctcaggagaa cactcagaat 360
tggttcaaga agaaaatttg agcccaggca cccaaacacc ttcaaagat aaagcaagta 420
tgttgcaaga atactccaaa tacctccaac aggcttttga aaaatccact aatgcaagtt 480
ttactcttgg acacggttcc caatttgtca gtttgtcttc acctctccac aaccacactt 540
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atctcagaaa ttgactagcc agaaggacca gaaaacttan agcttcacag gctttcagat 840
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<210> 637

<211> 904

<212> DNA

<213> Homo sapiens

<400> 637

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gctcttaaat attctatttc aataaaaaca atttctatac aattgcggtg aaacttattt 180
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ataagttcct ttattgggtg tttggatgac agcaaagac tttccataag gcagatgtag 300
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ttgagcttta cagttaacca atgaaagtga gttatnttag ggaatggta gatttggaca 420
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 taatgtaaat ggccttctac tttttaattc tctgattctg atcttgtttt gtagtaagaa 540
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 aataccaggg atatctagct tgagactcag ctagagccaa atattcaaat ctgggcatnc 780
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<210> 638

<211> 895

<212> DNA

<213> Homo sapiens

<400> 638

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cttagatacc tatctgaaat gtaataagtt tgcaagttcc caatttaatt tactattcat 780
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<210> 639

<211> 855

<212> DNA

<213> Homo sapiens

<400> 639

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aatttccaga actgtcctca aatagctcat ttatttaagt ttgtttaaaa agcaaaagcg 180
aattgattac atttgattaa cttttcctat tccatgcaca agttacctta aaacatgata 240
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caaaatcaag agtattttga gaggatcaga agcatttaaa aatctatttt tttctagtat 780
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<210> 640

<211> 837

<212> DNA

<213> Homo sapiens

<400> 640

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ccccatttgg acatgaaata caccgtattt ggaaaggtaa tagatggnc t ggaaactcta 780
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<210> 641

<211> 893

<212> DNA

<213> Homo sapiens

<400> 641

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tgagtcatgc cttgaagcaa cctcagcaca cttagcctcc cagtgttct gtgcaagtct 300

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<210> 642

<211> 898

<212> DNA

<213> Homo sapiens

<400> 642

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atagatagaa taactggaca cagaatcagc aaggaaatgg aagacttgaa caacactgta 180
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aatcgcttga cccaggaact gagacggtgc cattgnactt cacctgggcg acagggcgag 780
 actcatctca aaaaaaaaaa gcctcaatac atttaaaact ggtgaaatta gacaaagtag 840
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<210> 643

<211> 744

<212> DNA

<213> Homo sapiens

<400> 643

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<210> 644

<211> 755

<212> DNA

<213> Homo sapiens

<400> 644

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ttncaggcgc agtcacgcag tttcacagca ggcgcggntc cctcggagca cccagagctg 720
ccctgcggta gtcancagtg tgctgggctg actgc 755

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<210> 645

<211> 733

<212> DNA

<213> Homo sapiens

<400> 645

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<210> 646

<211> 789

<212> DNA

<213> Homo sapiens

<400> 646

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<210> 647

<211> 792

<212> DNA

<213> Homo sapiens

<400> 647

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<210> 648

<211> 847

<212> DNA

<213> Homo sapiens

<400> 648

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aatgacatat ctaaagatac gtaacagcta aaattctgcc agtgagaaat tttcctgttt  180
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<210> 649

<211> 761

<212> DNA

<213> Homo sapiens

<400> 649

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gtgcacttgc tggagaggag ttgtgatCct ttgtaggaga agaggcattc tggnttttgg 660

aattttcagc atttttgcat tggatttata ctcatttca tggatttata tacccttgan 720
cttgagctga tgacctttgg aaggggtttt ttgnngggg g 761

<210> 650

<211> 779

<212> DNA

<213> Homo sapiens

<400> 650

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<210> 651

<211> 861

<212> DNA

<213> Homo sapiens

<400> 651

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<210> 652

<211> 726

<212> DNA

<213> Homo sapiens

<400> 652

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<210> 653

<211> 646

<212> DNA

<213> Homo sapiens

<400> 653

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 agtggctcat ttggatgaga actaccctct atttttaata taaaactac atccaactca 180
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<210> 654

<211> 735

<212> DNA

<213> Homo sapiens

<400> 654

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<210> 655

<211> 910

<212> DNA

<213> Homo sapiens

<400> 655

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<210> 656

<211> 784

<212> DNA

<213> Homo sapiens

<400> 656

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784

<210> 657

<211> 875

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 815

<212> DNA

<213> Homo sapiens

<400> 658

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<210> 659

<211> 923

<212> DNA

<213> Homo sapiens

<400> 659

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aatcaggaga cagaaagcac agtttccatg aacagagaaa gttgaatgta aagaaattaa 480
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<210> 660

<211> 808

<212> DNA

<213> Homo sapiens

<400> 660

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 agagtcttac ctggtcttca ccttaaaaat caacataaac gtaaaatcat caaatatgat 720
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<210> 661

<211> 746

<212> DNA

<213> Homo sapiens

<400> 661

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gagcctgacc caggctctgg acatcctgag cccaagtccc ccacactcag tgcagtgatg 180
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cgtggctccc tggaccagcg caaccagcgg ctcgaggttg actacagcat cgggcgggac 660
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<210> 662

<211> 864

<212> DNA

<213> Homo sapiens

<400> 662

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 ggttttaata gtggttanat ggaa 864

<210> 663

<211> 872

<212> DNA

<213> Homo sapiens

<400> 663

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 agattttcca gattaaaacc atttggtgaa atcatcaaag agatgttaat cctgctttag 180
 cattgatgca aagttaaaat aactgacatt aaaaaaatca tttgggaagc tttattgaat 240
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 taattcacct tcaactctgct gtagctacca gttgcaggac tagctgcatt ttggccagaa 420
 ctgcatcacc ctggaaattt taaacacact ctctctcttc tgattgccct ctttttctgg 480

ttccatctca gctttattcc cactgcattg ntctttatct ttggagctct ctaaatecct 540
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 ttggtcctag gcgcactgct gacttctctt atgacccttg ggtagattca gtctttattg 780
 gtatttgaac ttttaatggc tgggtgngta ctctccttag acacatttaa aactttaagc 840
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<210> 664

<211> 873

<212> DNA

<213> Homo sapiens

<400> 664

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 cttataaaat acccttcata aataaccact gttaaaattt tgctatgtat cattctctta 480
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 taaaatataa gtctcattaa acagtagccc attattatta aattgnctat agcttttaac 780
 ctatcttgct tacttagtaa tatgagcatc tttctatgnc atgaacatct ttatatggtg 840
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<210> 665

<211> 871

<212> DNA

<213> Homo sapiens

<400> 665

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agaggcattt tcctaaggag tatagattta tactttgcat ttccattcat catccccag   180
aatcatggtc aaggtgtagg tcaactccaca cagctgatgc tcaggttatt cccttgtagg  240
aattatgaga ataaagctcc caagatatgt gaaagtgctt aacacagtac ctggcacaca   300
gcactcaata aaagtttggc tctattatgg gatggttcaa ttctggttta aggagggaag   360
aaaggttatt atatatgtac cactaagcaa atatatatat atatatatat atttgggttt  420
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cagcttttta tggcattgaa gaatgtatct gctaagacac aaaaattgca tggtaagtat  720
aataggtgga ggaggaaagg ttgtaggccg gatgaaaatt taactgacta gaacatttat  780
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<210> 666

<211> 872

<212> DNA

<213> Homo sapiens

<400> 666

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 atgcttgncc gtccacac aagcccttct tttctctgg tcccgaaca ctggttgctt 840
 ctggtactga gaaggcaatc tgggtaaagg aa 872

<210> 667

<211> 870

<212> DNA

<213> Homo sapiens

<400> 667

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 ggCgggCgga cgatggtgtg gcggagcacg cggacgcggg cggcgcggcg gcgggcatga 180
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 gcatggaatc tttatatgat ctcttggagt tctatctacc ctatttatat tcctggatat 780
 cattgatggg aatgttggtta ctacttacc aaatcttcaa gggattcaga aacagccaag 840
 ccttctgtaa tggcatcaga aagcctggag 870

<210> 668

<211> 693

<212> DNA

<213> Homo sapiens

<400> 668

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 gcggtgattt gaggggcaag gtgcttagag atactcgctc gctgggggaan gggggaggga 660
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<210> 669

<211> 817

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670

<211> 667

<212> DNA

<213> Homo sapiens

<400> 670

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ggagaaagcg cangctaaag ccgcaggtga agatgtccaa ctacgtgaac gacatgtggc 240
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<210> 671

<211> 687

<212> DNA

<213> Homo sapiens

<400> 671

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<210> 672

<211> 812

<212> DNA

<213> Homo sapiens

<400> 672

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<210> 673

<211> 882

<212> DNA

<213> Homo sapiens

<400> 673

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actctgcaag ctgaactcgc ttgtagacaa acagaagtta aagcattgag taccaggta 180
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<210> 674

<211> 897

<212> DNA

<213> Homo sapiens

<400> 674

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<210> 675

<211> 838

<212> DNA

<213> Homo sapiens

<400> 675

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<210> 676

<211> 541

<212> DNA

<213> Homo sapiens

<400> 676

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<211> 639

<212> DNA

<213> Homo sapiens

<400> 677

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<210> 678

<211> 726

<212> DNA

<213> Homo sapiens

<400> 678

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<210> 679

<211> 893

<212> DNA

<213> Homo sapiens

<400> 679

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<210> 680

<211> 731

<212> DNA

<213> Homo sapiens

<400> 680

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<210> 681

<211> 751

<212> DNA

<213> Homo sapiens

<400> 681

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<210> 682

<211> 798

<212> DNA

<213> Homo sapiens

<400> 682

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<210> 683

<211> 854

<212> DNA

<213> Homo sapiens

<400> 683

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<210> 684

<211> 868

<212> DNA

<213> Homo sapiens

<400> 684

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<210> 685

<211> 713

<212> DNA

<213> Homo sapiens

<400> 685

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<210> 686

<211> 842

<212> DNA

<213> Homo sapiens

<400> 686

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<210> 687

<211> 918

<212> DNA

<213> Homo sapiens

<400> 687

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<210> 688

<211> 860

<212> DNA

<213> Homo sapiens

<400> 688

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<210> 689

<211> 784

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 911

<212> DNA

<213> Homo sapiens

<400> 690

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<210> 691

<211> 910

<212> DNA

<213> Homo sapiens

<400> 691

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<210> 692

<211> 756

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693

<211> 733

<212> DNA

<213> Homo sapiens

<400> 693

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<210> 694

<211> 745

<212> DNA

<213> Homo sapiens

<400> 694

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<210> 695

<211> 846

<212> DNA

<213> Homo sapiens

<400> 695

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 taaagtgggtg gcaactttgt taaaaaactc tacaccaagt gcagantga tggaagttcg 780
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<210> 696

<211> 600

<212> DNA

<213> Homo sapiens

<400> 696

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<210> 697

<211> 788

<212> DNA

<213> Homo sapiens

<400> 697

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aagccatata cttattagag acttatttag agtcttatta gagacttatt aagagtctct  240
aataagtata tgggttgta agctagacac aaaatagtac catctctctc cacctctcta  300
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<210> 698

<211> 785

<212> DNA

<213> Homo sapiens

<400> 698

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tctcattaac cctaggaaat gttcttgctt tctctgctta tctctttgct cttaatatg  180
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<210> 699

<211> 784

<212> DNA

<213> Homo sapiens

<400> 699

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 ttgattagt ttaatacatt ttacaggtac tttatattct cagggttag aataagacaa 720

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<210> 700

<211> 787

<212> DNA

<213> Homo sapiens

<400> 700

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<210> 701

<211> 514

<212> DNA

<213> Homo sapiens

<400> 701

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<210> 702

<211> 765

<212> DNA

<213> Homo sapiens

<400> 702

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765

<210> 703

<211> 785

<212> DNA

<213> Homo sapiens

<400> 703

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<210> 704

<211> 783

<212> DNA

<213> Homo sapiens

<400> 704

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<210> 705

<211> 815

<212> DNA

<213> Homo sapiens

<400> 705

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<210> 706

<211> 808

<212> DNA

<213> Homo sapiens

<400> 706

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<210> 707

<211> 803

<212> DNA

<213> Homo sapiens

<400> 707

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<210> 708

<211> 799

<212> DNA

<213> Homo sapiens

<400> 708

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tgttataatt gcttattagt gacatcatcc atccatggcc cagtaaacac aacattctct 180

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<210> 709

<211> 799

<212> DNA

<213> Homo sapiens

<400> 709

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gacatattta tggagtacat gtgaagtttt gntatatgca taaaatgtgt aatgatcaag 720
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<210> 710

<211> 805

<212> DNA

<213> Homo sapiens

<400> 710

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<210> 711

<211> 800

<212> DNA

<213> Homo sapiens

<400> 711

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<211> 797

<212> DNA

<213> Homo sapiens

<400> 712

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<210> 713

<211> 818

<212> DNA

<213> Homo sapiens

<400> 713

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<210> 714

<211> 822

<212> DNA

<213> Homo sapiens

<400> 714

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<210> 715

<211> 820

<212> DNA

<213> Homo sapiens

<400> 715

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<210> 716

<211> 816

<212> DNA

<213> Homo sapiens

<400> 716

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<210> 717

<211> 777

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 819

<212> DNA

<213> Homo sapiens

<400> 718

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<210> 719

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<212> DNA

<213> Homo sapiens

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<210> 720

<211> 819

<212> DNA

<213> Homo sapiens

<400> 720

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819

<210> 721

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<212> DNA

<213> Homo sapiens

<400> 721

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<210> 722

<211> 818

<212> DNA

<213> Homo sapiens

<400> 722

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<210> 723

<211> 818

<212> DNA

<213> Homo sapiens

<400> 723

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<211> 825

<212> DNA

<213> Homo sapiens

<400> 724

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<210> 725

<211> 820

<212> DNA

<213> Homo sapiens

<400> 725

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ttactctgat ttcttatgca ccattcagtc aagacttaac tcagaggcag ttgattcagt  720
gcttacatct agacaaagct ttaatgagtg cagaccagc ctaacagtat ttcactaat  780
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<210> 726

<211> 643

<212> DNA

<213> Homo sapiens

<400> 726

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cgcaagcaca gagctctgag gctcagcccc ctggcacagg cggtcacgca tcaggacggt 240
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<210> 727

<211> 734

<212> DNA

<213> Homo sapiens

<400> 727

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 atcaggccag gctcagcaat atgtttgtc acattctttc agccttctct cccccccctc 180
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 tcctgtaatg taaaaatcca tgcttcagga ttccacaaac tcttggaag ctttttctg 660
 catccttgct tgggttttgg tgggggggna aaaaaagccc ccaaantttt tttttnttt 720
 ttcccccccc cccc 734

<210> 728

<211> 781

<212> DNA

<213> Homo sapiens

<400> 728

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gcagcagcca tgagcggcgg cgtgtacggg ggagatgaag ttggagccct tgtttttgac   180
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ccgaggggaga atatggaggc catttcacct ctaaaaaatg ggatggttga agactgggat   420
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gagttaatgt ttgaacacta caacatccct gccttcttcc tttgcaaaac tgcagttttg   600
acagcatttg ctaatggtcg ttctactggg ctgatttttg acagtggagc cactcatacc   660
cactgcaaan ttccaagtt nccccaaaaa cccggaaaat tttggggggg gncccccttt   720
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<210> 729

<211> 772

<212> DNA

<213> Homo sapiens

<400> 729

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ggttcattgct tgaagtttta atgacaaaga atgaaaacaa tagccatgcc tttatgaaga 180
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 caggaaagcc aaagcctgct ggagtactag gtgcagtaaa taagccttta tcagcaacgg 480
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<210> 730

<211> 730

<212> DNA

<213> Homo sapiens

<400> 730

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 ataaacaacg actgcttttt tcctgtctct tatggctgac ctttatgtat ttcttctgga 540
 aactaggaga tccctttccc attctcagcc caaaacatgg gatcttatcc atagaacagc 600
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ccttgtccaa acctgggncc ccccccaaa ttaaaccnccn aancctttt ttttaaaacc 720
cccaaatttt 730

<210> 731

<211> 693

<212> DNA

<213> Homo sapiens

<400> 731

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<210> 732

<211> 681

<212> DNA

<213> Homo sapiens

<400> 732

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 ttctcattgt tcaattccca cctaagagtg agaacatgcg gtgttttggtt ttctgtcctt 600
 gcgatagttt gctgagaatg atggtttccc gcttcatcca tgccctacca aggaccatga 660
 aacttcaatc ccctttttnn n 681

<210> 733

<211> 711

<212> DNA

<213> Homo sapiens

<400> 733

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 gcagaccatc ggggccgctt cgtggccaan gtgatgtcgg tcggagaccg gacttgtgaa 660

canttaaggg ttaatttttt gggggggggg naaaaaccaa accccccaaa a

711

<210> 734

<211> 759

<212> DNA

<213> Homo sapiens

<400> 734

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<210> 735

<211> 804

<212> DNA

<213> Homo sapiens

<400> 735

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<210> 736

<211> 804

<212> DNA

<213> Homo sapiens

<400> 736

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<210> 737

<211> 806

<212> DNA

<213> Homo sapiens

<400> 737

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<210> 738

<211> 716

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739

<211> 808

<212> DNA

<213> Homo sapiens

<400> 739

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<210> 740

<211> 773

<212> DNA

<213> Homo sapiens

<400> 740

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<211> 798

<212> DNA

<213> Homo sapiens

<400> 741

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<211> 824

<212> DNA

<213> Homo sapiens

<400> 742

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<210> 743

<211> 820

<212> DNA

<213> Homo sapiens

<400> 743

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<210> 744

<211> 760

<212> DNA

<213> Homo sapiens

<400> 744

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<210> 745

<211> 820

<212> DNA

<213> Homo sapiens

<400> 745

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<210> 746

<211> 815

<212> DNA

<213> Homo sapiens

<400> 746

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<210> 747

<211> 784

<212> DNA

<213> Homo sapiens

<400> 747

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<211> 781

<212> DNA

<213> Homo sapiens

<400> 748

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<211> 781

<212> DNA

<213> Homo sapiens

<400> 749

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<211> 699

<212> DNA

<213> Homo sapiens

<400> 750

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<211> 704

<212> DNA

<213> Homo sapiens

<400> 751

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<210> 752

<211> 777

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 754

<211> 777

<212> DNA

<213> Homo sapiens

<400> 754

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<211> 764

<212> DNA

<213> Homo sapiens

<400> 755

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<211> 800

<212> DNA

<213> Homo sapiens

<400> 756

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<210> 757

<211> 798

<212> DNA

<213> Homo sapiens

<400> 757

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<210> 758

<211> 797

<212> DNA

<213> Homo sapiens

<400> 758

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aatctttcct ctgctcg 797
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<210> 759

<211> 798

<212> DNA

<213> Homo sapiens

<400> 759

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 aaacctctca naccctaa 798

<210> 760

<211> 797

<212> DNA

<213> Homo sapiens

<400> 760

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<210> 761

<211> 798

<212> DNA

<213> Homo sapiens

<400> 761

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<210> 762

<211> 791

<212> DNA

<213> Homo sapiens

<400> 762

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<210> 763

<211> 801

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 764

<211> 819

<212> DNA

<213> Homo sapiens

<400> 764

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819

<210> 765

<211> 774

<212> DNA

<213> Homo sapiens

<400> 765

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<210> 766

<211> 821

<212> DNA

<213> Homo sapiens

<400> 766

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<210> 767

<211> 737

<212> DNA

<213> Homo sapiens

<400> 767

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<210> 768

<211> 782

<212> DNA

<213> Homo sapiens

<400> 768

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<210> 769

<211> 767

<212> DNA

<213> Homo sapiens

<400> 769

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<210> 770

<211> 793

<212> DNA

<213> Homo sapiens

<400> 770

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<210> 771

<211> 819

<212> DNA

<213> Homo sapiens

<400> 771

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<210> 772

<211> 818

<212> DNA

<213> Homo sapiens

<400> 772

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<210> 773

<211> 762

<212> DNA

<213> Homo sapiens

<400> 773

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<210> 774

<211> 849

<212> DNA

<213> Homo sapiens

<400> 774

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<210> 775

<211> 739

<212> DNA

<213> Homo sapiens

<400> 775

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<210> 776

<211> 846

<212> DNA

<213> Homo sapiens

<400> 776

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<210> 777

<211> 853

<212> DNA

<213> Homo sapiens

<400> 777

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gacagatcta tgcttttgag ggaagctacc tggaagacac tcagatgtat ggcaatatta  180
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<210> 778

<211> 848

<212> DNA

<213> Homo sapiens

<400> 778

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 attaatcaa ttacccttaa aacttctgaa gtaggtactc ctattatcct attttataaa 780
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<210> 779

<211> 730

<212> DNA

<213> Homo sapiens

<400> 779

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 aaaatccaaa tgtatcattc tacctgtatg aggtacttta agtagtcaat tcatagagac 240
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<210> 780

<211> 786

<212> DNA

<213> Homo sapiens

<400> 780

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<210> 781

<211> 826

<212> DNA

<213> Homo sapiens

<400> 781

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cgctcgccga gacggcgacc ggactggctg ccccggaact gcggcgactc tccctactca 420
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<210> 782

<211> 843

<212> DNA

<213> Homo sapiens

<400> 782

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843

<210> 783

<211> 846

<212> DNA

<213> Homo sapiens

<400> 783

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<210> 784

<211> 846

<212> DNA

<213> Homo sapiens

<400> 784

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<210> 785

<211> 862

<212> DNA

<213> Homo sapiens

<400> 785

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<210> 786

<211> 837

<212> DNA

<213> Homo sapiens

<400> 786

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<211> 835

<212> DNA

<213> Homo sapiens

<400> 787

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<210> 788

<211> 833

<212> DNA

<213> Homo sapiens

<400> 788

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<210> 789

<211> 727

<212> DNA

<213> Homo sapiens

<400> 789

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<210> 790

<211> 802

<212> DNA

<213> Homo sapiens

<400> 790

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<210> 791

<211> 859

<212> DNA

<213> Homo sapiens

<400> 791

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<210> 792

<211> 879

<212> DNA

<213> Homo sapiens

<400> 792

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<210> 793

<211> 886

<212> DNA

<213> Homo sapiens

<400> 793

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 aatcctcttg gtatgtcaaa ggaaaaagaa aagtattatc ttatttgcat ctctgcaatc 780
 caaatgcatt tgctcattca gcagaattaa tttttatcac cagcctgggt tatctcctcc 840
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<210> 794

<211> 883

<212> DNA

<213> Homo sapiens

<400> 794

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 cctaattttt taaaatccaa gagtaagaat gcttagtaat agaagcttca tcacctnagt 840
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<210> 795

<211> 777

<212> DNA

<213> Homo sapiens

<400> 795

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aagtacatga aatatgaaga agagctaccc gntttccact tggggttcaa gtgccaagtt 720
gggcnggcaa gcccccccg gggnaaaaga agatcttacc ggcaaggaag ccaaaca 777
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<210> 796

<211> 735

<212> DNA

<213> Homo sapiens

<400> 796

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cggacgctgg cttctccgcc tgggaccctt ccgccccgac ccgggccccg cggccctcga 180
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 ngcagcggca gcggcagtg cagtgggtgg cggcggcggc gagccaggcg cccaagagg 660
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<210> 797

<211> 753

<212> DNA

<213> Homo sapiens

<400> 797

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<210> 798

<211> 755

<212> DNA

<213> Homo sapiens

<400> 798

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gggaggccaa ggcgggtgga tcacttgagt tcaggagttc gagaccagcc tggcctacat  180
gatgaaacct tgtctccact aacaatacaa aaaattagcc aggcgtggtg gcgtgcgcct  240
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tcaaaaaaaaa aaaaaaaaaa aaaaaaaga agtgcagata caggatagtg gaagaaagag  420
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gccctcagat gccagtgtat gctgcatgtg ccccatcctc aatctgngga atgactgtaa  720
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<210> 799

<211> 752

<212> DNA

<213> Homo sapiens

<400> 799

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<210> 800

<211> 746

<212> DNA

<213> Homo sapiens

<400> 800

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<210> 801

<211> 878

<212> DNA

<213> Homo sapiens

<400> 801

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<210> 802

<211> 422

<212> DNA

<213> Homo sapiens

<400> 802

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<210> 803

<211> 607

<212> DNA

<213> Homo sapiens

<400> 803

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<210> 804

<211> 763

<212> DNA

<213> Homo sapiens

<400> 804

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gactgtggcc cacanagagt ttgggtcacg gccagcccct tgaccgggtt ncctggagcc   720
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<210> 805

<211> 748

<212> DNA

<213> Homo sapiens

<400> 805

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<210> 806

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<210> 807

<211> 768

<212> DNA

<213> Homo sapiens

<400> 807

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<210> 808

<211> 847

<212> DNA

<213> Homo sapiens

<400> 808

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<210> 809

<211> 838

<212> DNA

<213> Homo sapiens

<400> 809

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<210> 810

<211> 850

<212> DNA

<213> Homo sapiens

<400> 810

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 cggattgatc aggccagcct agactattca tacgctcgga agcngnttga cagggtgaa 780
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850

<210> 811

<211> 840

<212> DNA

<213> Homo sapiens

<400> 811

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<210> 812

<211> 799

<212> DNA

<213> Homo sapiens

<400> 812

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<210> 813

<211> 748

<212> DNA

<213> Homo sapiens

<400> 813

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<210> 814

<211> 847

<212> DNA

<213> Homo sapiens

<400> 814

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<210> 815

<211> 808

<212> DNA

<213> Homo sapiens

<400> 815

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<210> 816

<211> 808

<212> DNA

<213> Homo sapiens

<400> 816

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<210> 817

<211> 820

<212> DNA

<213> Homo sapiens

<400> 817

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<210> 818

<211> 821

<212> DNA

<213> Homo sapiens

<400> 818

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<210> 819

<211> 691

<212> DNA

<213> Homo sapiens

<400> 819

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<211> 841

<212> DNA

<213> Homo sapiens

<400> 820

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<210> 821

<211> 807

<212> DNA

<213> Homo sapiens

<400> 821

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<210> 822

<211> 872

<212> DNA

<213> Homo sapiens

<400> 822

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<210> 823

<211> 808

<212> DNA

<213> Homo sapiens

<400> 823

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<210> 824

<211> 825

<212> DNA

<213> Homo sapiens

<400> 824

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<210> 825

<211> 820

<212> DNA

<213> Homo sapiens

<400> 825

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<210> 826

<211> 837

<212> DNA

<213> Homo sapiens

<400> 826

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<210> 827

<211> 746

<212> DNA

<213> Homo sapiens

<400> 827

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<210> 828

<211> 660

<212> DNA

<213> Homo sapiens

<400> 828

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<210> 829

<211> 818

<212> DNA

<213> Homo sapiens

<400> 829

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gcaagcatca tgataagata tgtgtgaagc ccactaggaa ataaatcatt ctcttctcta  180
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<210> 830

<211> 901

<212> DNA

<213> Homo sapiens

<400> 830

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<210> 831

<211> 822

<212> DNA

<213> Homo sapiens

<400> 831

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<210> 832

<211> 804

<212> DNA

<213> Homo sapiens

<400> 832

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<210> 833

<211> 793

<212> DNA

<213> Homo sapiens

<400> 833

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<210> 834

<211> 803

<212> DNA

<213> Homo sapiens

<400> 834

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tattttagaa agtttaaaaa atagtgaag gaaacagtga atagaaattt tttattggaa  180
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<210> 835

<211> 801

<212> DNA

<213> Homo sapiens

<400> 835

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<210> 836

<211> 849

<212> DNA

<213> Homo sapiens

<400> 836

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<210> 837

<211> 853

<212> DNA

<213> Homo sapiens

<400> 837

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<210> 838

<211> 874

<212> DNA

<213> Homo sapiens

<400> 838

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<210> 839

<211> 828

<212> DNA

<213> Homo sapiens

<400> 839

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<210> 840

<211> 885

<212> DNA

<213> Homo sapiens

<400> 840

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<210> 841

<211> 843

<212> DNA

<213> Homo sapiens

<400> 841

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cagaaggaat gaaataataa agatcagagc agaaataaat gaaatagagg ccaggaatac 180
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aaaatactag caaactggaa ttggaatagc accattaaaa nggagccgta cacccatgga 780
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tca 843

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<210> 842

<211> 742

<212> DNA

<213> Homo sapiens

<400> 842

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cccctctcct gtgccggcgt gggcatcccc cggggcagtg gaacgcgggc gctcctccag 180
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 cttatgtgcc tgnctcttct gangaactgg atcgtgccct tgccaagggt gttggggagt 720
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<210> 843

<211> 636

<212> DNA

<213> Homo sapiens

<400> 843

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 tacctgcata ggatgtggag gaggcctatc tgaaaaaatg atcaattttg caattatcct 180
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 gcactataga tgattactaa gttagataat acaagattac tcctgtagct gatgacattt 540
 aagtaatgat agtgcctttt caaaattcaa aattcttttt tctttattat ttatttattt 600
 ttagtacttt ccactttgt ttttttttt tttnnn 636

<210> 844

<211> 856

<212> DNA

<213> Homo sapiens

<400> 844

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atcatggggg cagatctttc ctgtgctgtt ctigtgttag tgaataagtc tcacaagatc  180
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gaatcatgcc caaanttaat gcaatactct cttaaattaa gttncctaag gcttttataa  840
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<210> 845

<211> 864

<212> DNA

<213> Homo sapiens

<400> 845

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tgcatacaca tattttccaa atattacata tagtttcatg taatttatag acctattaag  180

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gccaacat tttcttgat aggggattct ttagaagtcc agcttaaata aagcccgat 240
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 atttaatttc tttagaggat tttaatcttt caactgcttg caattagatc ctaangcaat 780
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<210> 846

<211> 767

<212> DNA

<213> Homo sapiens

<400> 846

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 ggctcacacc tgtaacccca acactttggg tggctgaggc aggaggatca cttgagggtca 120
 ggagttcaaa gccagcctgg ccaacatggc aaaacctcat ctgtattaaa aatacaaaaa 180
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ggagctttct gtcaatgatt cctggagttc accttgggaa cagagctggt gactgttctc 660
gtgagctgct catctggccc cagtgttgcc atctaaagga aaatttaaca ggagaacctg 720
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<210> 847

<211> 868

<212> DNA

<213> Homo sapiens

<400> 847

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cttttttcat gaaaagctag ttattccaaa taattagctt tttcataaa aagctagtta 180
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gtaataataa gtggccacat tacaaaatat aggttgtttc agcttgcaaa attaaacaac 480
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tgcatattaa gagaattgca ttcataaata gtcaagatat actaaaaatt ggcatttgaa 840
attgaagcac tagagtgttt aatngatg 868

<210> 848

<211> 746

<212> DNA

<213> Homo sapiens

<400> 848

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<210> 849

<211> 837

<212> DNA

<213> Homo sapiens

<400> 849

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<210> 850

<211> 772

<212> DNA

<213> Homo sapiens

<400> 850

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<210> 851

<211> 714

<212> DNA

<213> Homo sapiens

<400> 851

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<210> 852

<211> 866

<212> DNA

<213> Homo sapiens

<400> 852

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<210> 853

<211> 847

<212> DNA

<213> Homo sapiens

<400> 853

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<211> 698

<212> DNA

<213> Homo sapiens

<400> 854

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<210> 855

<211> 755

<212> DNA

<213> Homo sapiens

<400> 855

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<210> 856

<211> 793

<212> DNA

<213> Homo sapiens

<400> 856

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atttttgagg aagttgaaaa cttatggaag agatgagaaa caagtgggtt atcctaaata 180
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<211> 834

<212> DNA

<213> Homo sapiens

<400> 857

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<210> 858

<211> 751

<212> DNA

<213> Homo sapiens

<400> 858

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<210> 859

<211> 832

<212> DNA

<213> Homo sapiens

<400> 859

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cacagatggt ggtgaggagg acagcttcct tggtcagact tctattcaca catctgcccc 300
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<210> 860

<211> 841

<212> DNA

<213> Homo sapiens

<400> 860

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<210> 861

<211> 858

<212> DNA

<213> Homo sapiens

<400> 861

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<210> 862

<211> 863

<212> DNA

<213> Homo sapiens

<400> 862

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<210> 863

<211> 861

<212> DNA

<213> Homo sapiens

<400> 863

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<210> 864

<211> 877

<212> DNA

<213> Homo sapiens

<400> 864

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<210> 865

<211> 874

<212> DNA

<213> Homo sapiens

<400> 865

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<210> 866

<211> 820

<212> DNA

<213> Homo sapiens

<400> 866

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<210> 867

<211> 871

<212> DNA

<213> Homo sapiens

<400> 867

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<210> 868

<211> 822

<212> DNA

<213> Homo sapiens

<400> 868

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<210> 869

<211> 818

<212> DNA

<213> Homo sapiens

<400> 869

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<210> 870

<211> 738

<212> DNA

<213> Homo sapiens

<400> 870

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<210> 871

<211> 872

<212> DNA

<213> Homo sapiens

<400> 871

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<210> 872

<211> 863

<212> DNA

<213> Homo sapiens

<400> 872

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<210> 873

<211> 588

<212> DNA

<213> Homo sapiens

<400> 873

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<210> 874

<211> 888

<212> DNA

<213> Homo sapiens

<400> 874

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<210> 875

<211> 852

<212> DNA

<213> Homo sapiens

<400> 875

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<210> 876

<211> 800

<212> DNA

<213> Homo sapiens

<400> 876

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<210> 877

<211> 817

<212> DNA

<213> Homo sapiens

<400> 877

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<210> 878

<211> 859

<212> DNA

<213> Homo sapiens

<400> 878

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<210> 879

<211> 870

<212> DNA

<213> Homo sapiens

<400> 879

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<210> 880

<211> 704

<212> DNA

<213> Homo sapiens

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<210> 881

<211> 734

<212> DNA

<213> Homo sapiens

<400> 881

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<210> 882

<211> 817

<212> DNA

<213> Homo sapiens

<400> 882

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<210> 883

<211> 763

<212> DNA

<213> Homo sapiens

<400> 883

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<210> 884

<211> 771

<212> DNA

<213> Homo sapiens

<400> 884

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<210> 885

<211> 845

<212> DNA

<213> Homo sapiens

<400> 885

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<210> 886

<211> 827

<212> DNA

<213> Homo sapiens

<400> 886

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827

<210> 887

<211> 783

<212> DNA

<213> Homo sapiens

<400> 887

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agc 783

<210> 888

<211> 740

<212> DNA

<213> Homo sapiens

<400> 888

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<210> 889

<211> 839

<212> DNA

<213> Homo sapiens

<400> 889

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<210> 890

<211> 769

<212> DNA

<213> Homo sapiens

<400> 890

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<210> 891

<211> 773

<212> DNA

<213> Homo sapiens

<400> 891

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<210> 892

<211> 749

<212> DNA

<213> Homo sapiens

<400> 892

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<210> 893

<211> 745

<212> DNA

<213> Homo sapiens

<400> 893

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<210> 894

<211> 833

<212> DNA

<213> Homo sapiens

<400> 894

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<210> 895

<211> 814

<212> DNA

<213> Homo sapiens

<400> 895

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<210> 896

<211> 818

<212> DNA

<213> Homo sapiens

<400> 896

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<210> 897

<211> 810

<212> DNA

<213> Homo sapiens

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<210> 898

<211> 816

<212> DNA

<213> Homo sapiens

<400> 898

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<210> 899

<211> 814

<212> DNA

<213> Homo sapiens

<400> 899

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<210> 900

<211> 819

<212> DNA

<213> Homo sapiens

<400> 900

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<210> 901

<211> 808

<212> DNA

<213> Homo sapiens

<400> 901

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acagtaattt ctggctcat agggctgtta agagcatgga atggaatcca attcggcttc   720
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<210> 902

<211> 812

<212> DNA

<213> Homo sapiens

<400> 902

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<210> 903

<211> 757

<212> DNA

<213> Homo sapiens

<400> 903

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 caactaaaag aactagagaa ccaagagcaa gcaaacccca aagctagcag aagacaaatn 720
 ntnaaaacat caggatcaga gcagaactga aggagat 757

<210> 904

<211> 729

<212> DNA

<213> Homo sapiens

<400> 904

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 gtctgcaagc caggaggaga accctcacca gaaacctcac agaaatcggc caacaccctc 180
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 tagacatcat cactgctctt tcagacatgc agcaggaggg ggaaggtgcc atttaaagca 660
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<210> 905

<211> 840

<212> DNA

<213> Homo sapiens

<400> 905

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 ggtgaaaccc cgtttctact aaaaatccaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 180
 cgggtatggt ggCgggCGcc tgtagtccca actagtcggg aagctgaggc aggagaatgg 240
 cgtgaacctg agaggtggag cttgcggtga gccagatta cgccagtga cttccagccca 300
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 taaaccagat acacacttac acacacatcc ttaggaatt ctaattattg gaatttgaag 720
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<210> 906

<211> 838

<212> DNA

<213> Homo sapiens

<400> 906

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 acaggaaata ataacaagag ttttaatgaa agataagtga aaatgctgta actttttgtt 180
 tgcatgtttg tctgttttaa attgaggtat aattatgtaa actaaaaaat catctatttt 240
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 tcacttgaga tcaggagttc gagaccagcc tgaccaacac agtgaaaccc catctctact 360

aaaaatacaa aaattagcag ggcgtggtgg cacacacttg caatcccatc tgctcaagag 420
 gctgaggcat gagaactgct tgaacccaga ggcagagggt gcagtgagcg gagaccatgc 480
 cactgccctc cagtcagggt ggcagagcaa gactccgtct caaaaaaaaa agagagagaa 540
 aatatatata tattttactg ttcaatttga tgagtttcag caattttata tatctttgtt 600
 aaccaccatg caacacaaca tacagaacat ttccatcaca cttcaaaatt cccttgcgctc 660
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 agatttgctg tgcctgttca tgaatggaat catacaatat ttggtctttt gngtttggt 780
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<210> 907

<211> 838

<212> DNA

<213> Homo sapiens

<400> 907

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 agtttctcat gacaagaaaa atggtattca gtcagctata atatcagtat ctataatcta 180
 tttctcggtta aacatatattg tacatatata cgtttatatt tctaatttaa cagatgtcct 240
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 acagctagag aattctcatt cttttcacat gcatatggta cattcaccca aaaccagagc 780
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<210> 908

<211> 786

<212> DNA

<213> Homo sapiens

<400> 908

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ctgcttcgaa tttcacgctc ttcagctctt tctagtcttg ggcctcacca gcctctcatt 180
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tggttctaga cctcttccta taaattaatc cctcttgttt tagatctcac accctccaac 360
gccctctggg tccagatctt atattcagtg atttcctctg gttctggacc ccacaactcc 420
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taagttttat atttttagta gagacagtgt ttcacatgt tggccaggct ggncttgaac 720
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gcctgg 786
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<210> 909

<211> 836

<212> DNA

<213> Homo sapiens

<400> 909

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 ctcttgagca attatatagt ttgatgtcct tttaaaaaat aagaaaagct aggttttattc 660
 atactaaaat tttattttgn atatgatgnt tggtttttta aacttactaa cataaggatt 720
 tcctttaata ttccaaatca agtcttgaaa cagtattcca acatgaaatc ttatctcctt 780
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<210> 910

<211> 832

<212> DNA

<213> Homo sapiens

<400> 910

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 agcaaaccac catgtctgtt taatatatat cacctgctgg tccctcggtc tagcaggctg 180
 aactgtgtgc ctgggaattt tcttctcgct gtgtgcaccc ctttacgtca cagggtggac 240
 tctcttcaga gtcctagtgg agcagctggc caggctgaca tgatctgaca acattgtagg 300
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 gtgtgggaga acttgtgcac gtatctcccc tccgaatccc aacgatgggt aacgccagct 420
 ttggctccaa ggaacagaag ctgctgaagc ggttgcggt tctgcccgcc ctgcttatcc 480
 tccgcgcctt caagccccac aggaagatca gagattaccg cgtcgtggta gtcggcaccg 540

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 ccctgcacat accgcagcaa gagtggcgac ggcaaccgag ctctgcancg ccacgttata 720
 cccggggccac gccttcgtcc tggncctactc agtcaccaag aaggaaaccc tggaagagct 780
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<210> 911

<211> 830

<212> DNA

<213> Homo sapiens

<400> 911

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 aattgaaaaa tataacctgt acaatattta aactggcttt aatattactt aattatcaca 540
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 agtagtagca aatgacagag atcttcaagt gtcttaatgc ttgncaatat aatattattc 780
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<210> 912

<211> 475

<212> DNA

<213> Homo sapiens

<400> 912

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cactcaggct ggagtgcagt ggtgtgatca tagctcactg cagcctcgaa ctctggcct  180
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catggtgaaa ccccgctctct actaaaaata gaaaaattag ccggtcatgg tggcacacgc  420
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<210> 913

<211> 740

<212> DNA

<213> Homo sapiens

<400> 913

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gtgagtagcc aatagttatt tcctctacca gtggtathtt actaggcaat tattggaaat  180
agaatgctgc cacccggtag tgataaatct aacatttctc gtagaagata taggtggatt  240
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ctgtttctag ttttaaaata gccacatitt ctcaaatatg ttactgtttg gttcagaatt  600

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tggaccacta cctaaaaaga acagatcatt caaacgtgtc ttttgaatat ttctgtcatc 660
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<210> 914

<211> 742

<212> DNA

<213> Homo sapiens

<400> 914

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<210> 915

<211> 721

<212> DNA

<213> Homo sapiens

<400> 915

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<210> 916

<211> 728

<212> DNA

<213> Homo sapiens

<400> 916

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 gaggttgacg tgagctgaga tgcgccattg cactccagcc tggcgacaga gcgaaaatna 720
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<210> 917

<211> 711

<212> DNA

<213> Homo sapiens

<400> 917

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 aggaaatatt ttcctaatat ctctaaagcc taacttgtcc atctgactta ctgnctgaat 660
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<210> 918

<211> 741

<212> DNA

<213> Homo sapiens

<400> 918

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<210> 919

<211> 744

<212> DNA

<213> Homo sapiens

<400> 919

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 gactaccggg tctcactcca gaagaggctt cttcagagca tggtagtctt ggggttctaa 660
 gagaatgaga gtagaagctg caaaacctct tgaaactggg gcttgggagt cacacatgac 720
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<210> 920

<211> 742

<212> DNA

<213> Homo sapiens

<400> 920

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<210> 921

<211> 745

<212> DNA

<213> Homo sapiens

<400> 921

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taaagtaaca gactgtgtgt tcattttattc ttttgggtcat tcttggagtt tcttattcac 720
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<210> 922

<211> 739

<212> DNA

<213> Homo sapiens

<400> 922

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 tgataagccc catgatggat gaagggtaga attcaaagac ctggttgag tcctagatgt 660
 ggagacagga tgatcaggtc acacttgta gatgactaac actatcagta gaagcttnc 720
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<210> 923

<211> 727

<212> DNA

<213> Homo sapiens

<400> 923

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 agtctcagct actctggagg tttaggcagg aggatcactt gagcccagga gttctgggct 660
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<210> 924

<211> 743

<212> DNA

<213> Homo sapiens

<400> 924

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<210> 925

<211> 721

<212> DNA

<213> Homo sapiens

<400> 925

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<210> 926

<211> 813

<212> DNA

<213> Homo sapiens

<400> 926

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 tttgcaacaa catgaataaa cctagagaca ctatgttaag tgaaataaac tgagcatagg 180
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aatatataca attataattt gcaatttaca atttaaaata aaaattaaaa agaattgat 780
ggttctgtaa ataaattagt taattcaaaa can 813

<210> 927

<211> 811

<212> DNA

<213> Homo sapiens

<400> 927

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gaacctgtca actctgtgga gaccgcatga gtgaatgtcc tatctgtcgc aaggctattg 180
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gtaaattata aaatgacagt acaagttcca gatagttaag ggaataccga anggatgatt 720
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<210> 928

<211> 813

<212> DNA

<213> Homo sapiens

<400> 928

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gaaagcaggc aaccctgtag tctttatggt acagagcatt ataaacagac caagggcacc	180
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<210> 929

<211> 814

<212> DNA

<213> Homo sapiens

<400> 929

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<210> 930

<211> 816

<212> DNA

<213> Homo sapiens

<400> 930

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<210> 931

<211> 656

<212> DNA

<213> Homo sapiens

<400> 931

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<210> 932

<211> 810

<212> DNA

<213> Homo sapiens

<400> 932

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tcattaaaaat ctccactgta gaaagcagtt gggatgaagca aggaggaaat tgaaagtcaa  180
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<210> 933

<211> 309

<212> DNA

<213> Homo sapiens

<400> 933

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 cccgggagtg gcgggcacgc cagggcggcc gacctcggct caagggcgcc tcgagggaaa 240
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<210> 934

<211> 806

<212> DNA

<213> Homo sapiens

<400> 934

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<210> 935

<211> 692

<212> DNA

<213> Homo sapiens

<400> 935

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<210> 936

<211> 814

<212> DNA

<213> Homo sapiens

<400> 936

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 ctcaaactct tgacttcagg taatcctnct gactcaacct tccaaagtgc tgggattaca 720
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<210> 937

<211> 773

<212> DNA

<213> Homo sapiens

<400> 937

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atcccagcta ctagggaggc tgaggcagga gagttgcttg aatccaggag gcggagggtg 180
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tataatcatc gactgagtca cctgaatcct ttgggaacta gatgggagta aacacaccca 660
caaataagtg cttatcaaga gtattccatt tcccgtcatt actcaaggct gcacanattt 720
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<210> 938

<211> 835

<212> DNA

<213> Homo sapiens

<400> 938

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tatcaatgaa gatgattttg gtgattttgg tgactttggc tctgccagtg gctcaactcc 300
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gcactttcca catttttagtg aaccaggtga tgactttgga gaatttgggg atataaatgc 420
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 tgcttttggga gaccacaggc tactgaatct catcatcgaa aggaagcctg gcagtcacat 780
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<210> 939

<211> 740

<212> DNA

<213> Homo sapiens

<400> 939

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 gccagcttaa agtcacagca tccaaatacc tcaagtcctc actccaggtg aaaggagtct 180
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<210> 940

<211> 745

<212> DNA

<213> Homo sapiens

<400> 940

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gttggttacg tcaggcggca ccaaggtccc actggaagcg cggccggtgc gcttcctgga   180
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atctgggggc ccactgcaga taacaatgaa gatggtgcca aaactgcttt ctnccttggt   660
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<210> 941

<211> 803

<212> DNA

<213> Homo sapiens

<400> 941

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cgacttcaaa gcccttcagt actttcaccc caagtccctc acccgtgaca cctcccatat 240
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<210> 942

<211> 731

<212> DNA

<213> Homo sapiens

<400> 942

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 atttattcct tcttttaaac cagaatttct ggcctgtaat tttactgaga aatagaaata 180
 ctatctttac aataggatgat attctaactg tctctacagc atgatggctt tgcagctatt 240
 tgaaagtiga accccacata tactctttgt taaactgtta ttttgattct ggttgtttct 300
 gaaatgcgta ttggaaatgc agcattgttt gaatatctat tgtgtgtgag ttgctttcta 360
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 gaactagaac ttgaacccaa gttgtgactc tcctttacca cttgatcagg agtttctgta 540
 tttagccaag taacttgtaa gatcttcaca tgctttcttt tagtgggatt gccagcaaa 600
 gtgcttatca ngtgatgatc ccagtgaagt atgtcacagt tatgcagtaa cttangctg 660

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<210> 943

<211> 742

<212> DNA

<213> Homo sapiens

<400> 943

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tcctttccgc cccacttaa ggcaccaggt cctggctggg ccctggacac attgctgaga 180
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gctggcaaga tcacgggcat gctgctggag attgacaact cagagctgtt gctcatgctg 480
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ggggccttan gtaagggtt gctacttnag ccttttcgta gactaattct gggntggctt 720
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<210> 944

<211> 745

<212> DNA

<213> Homo sapiens

<400> 944

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tttgagagtt tacatcagaa agaaaacagc aaatgacatg atccaaactt gataaaggac 180
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ggaggtcaga ggagatgggg gccggctctg ctggcccgca cgagcactct ggggtgcagaa 720
ggccaaangt gggangtcan aagaa 745

<210> 945

<211> 508

<212> DNA

<213> Homo sapiens

<400> 945

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cctgaacaaa cactctggca ttgacttcaa acagcttaac ttcctgacga agctcaacga 420
gaatcactct ggagagggtga cccctgccct tcttgccctt ccctcactaa acccccataa 480
attacttgct tngtacctgn nttagtt 508

<210> 946

<211> 798

<212> DNA

<213> Homo sapiens

<400> 946

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aagtgaaacc tcatgccttg gaattgccag ataaacattc cttggccttt gttgtacgca 180
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<210> 947

<211> 829

<212> DNA

<213> Homo sapiens

<400> 947

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 ccctgcagga gacagcagtc tctgattcac agacctcatg ttatccttag atgcctcttg 780
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<210> 948

<211> 766

<212> DNA

<213> Homo sapiens

<400> 948

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 aggtggcgcc ttgacgaggt ctttttagag ctcaaggatg gtcagcagat tcctgtgttc 720
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<210> 949

<211> 838

<212> DNA

<213> Homo sapiens

<400> 949

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 aatggtttgg ggtatatgat gtcatgaaag taatattcct tttactgtcc aagtcagtaa 420
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 ggtgttagta attggtcatt cacgcatctg catacccttt gtttccttaa gtaactctcc 540
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 ttagagaaat gcaaatcaaa accacaatga gatcgatatcc catactagca gaatggctat 780
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<210> 950

<211> 804

<212> DNA

<213> Homo sapiens

<400> 950

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gacagagacc gcttgctacc gggttcccgc tttgtccntg ggcttgggnc caaaacctt  780
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<210> 951

<211> 850

<212> DNA

<213> Homo sapiens

<400> 951

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tacctacttt gagcagcact attacagtaa ttgctcctac tcattcatgga aacaacacta  180
ccgaaagtgt gtctgaattt catgaagacc aagtggacca taactcttac gtaagaccac  240
ccatgccaaa gaaacggtgt agagactatg atgaaaaggg tttttgtatg agaggagaca  300

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<210> 952

<211> 833

<212> DNA

<213> Homo sapiens

<400> 952

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 aaatatgggtg tcctgctttt ttgtagaaa atgtaatttg aggatgaatt ttctgcttta 180
 aaggcatgtg tgtttttaaa attatgaatg tagatgtgtg attgtctgag tgagtgaaac 240
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 ctaattttga tcaatcccat taaaaaaagg ctctttcctt tagagaaact ctattttgat 420
 gtcaatatag attactgtat gaagtagctt tgtgtctgtt acctgtccat gagcatacaa 480
 cattgaatac aattgggtgt attctttcag ttttacacaa ttaaagtata cacacagatg 540
 tagcttatct gtttttttct taaattgttg ccctgaaaaa atttcttgca tatgaattgt 600
 aaaatgtaaa tacattttta taaccaatgt tttgatctta ttgaatgtta ctttgaaaat 660
 gtataactat tgcctgcaat gtagatgagc cttttagtag agctgattta ttccagtaac 720

ttcttccata ttttctcact aatctccgtt agccaaaata tgccagaaat gggaaagaga 780
ggagaaaagg cattacatta acacctatct ggnctatcta ctcctanccg ggn 833

<210> 953

<211> 757

<212> DNA

<213> Homo sapiens

<400> 953

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tggcttagag cccaccttct tcacctgtac aacaaagcac tcactagaga ttggccatta 180
tcattatcaa cattattatt aattattatt attattatta ttcagccagg agttaagtta 240
tgaagggact catatttgaa ttatgaagga actcaaaatc ccacagtcac ataaaccagt 300
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acaaaaaaaa aaaaaaaaaa aaaaacaaac aaacaaacaa aaaactaatt aattaattaa 600
ttggctgggt atgggtgtgc aagcctataa tcctagctac tcaggaggct gaggtgtgag 660
gatcaagaag atcaaggctg cantgagcta tggcatgccc tgnactccag cctgggtgac 720
ataggtagta gacctgctca aaaaagaaaa gaangaa 757

<210> 954

<211> 818

<212> DNA

<213> Homo sapiens

<400> 954

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 cgtagtgtt taaaacaaac atttatcacc tcacagtttc tgtggttcag gaatccagga 180
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 aaataagatg atgaccaggt tagttggggc agcaagtatc tgagattcta ctggggctca 420
 aaaatctgtt ttcaggctca cctaattggtt gttggttaagc ctcagttctt caccacgtgg 480
 gtctctccgt agggttggtt ggcatggcag ctgtctttcc ccaaagcagt taatctaaga 540
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 atatgagtgt gtgaatacca gattggggtc catcttgag gctgggtcca gttgcacagc 720
 tagtaagctg cataactaag ggtaaaantc atgtctgacc cccggagctg gtctctttaa 780
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<210> 955

<211> 719

<212> DNA

<213> Homo sapiens

<400> 955

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 agggaaacca tctttgtatg gcagcctgac ttgtcaagga attggcctag atggcatccc 180
 agaggttaca gcttcagaag gatttactgt gaatgaaata aacaagaaaa gcattcatat 240
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 aattcataca aagagtataa catgcctgga catttccagc agaggagggtc ttggtgtgtc 360
 ttctagtact gacgggacca tgaaaatctg gcaggcttcc aatggagaac tcaggagagt 420
 attggaagga catgtgtttg atgtgaattg ttgcaggttt ttcccatcag gccttgttgt 480

cctgagtggg ggaatggatg cccagctgaa gatatggatg gctgaagatg ctagctgcgt 540
 ggtgaccttc aaaggtcaca aaggaggtat cctggataca gccatcggtg atcgggggan 600
 gaatgtggtg tctgcttctc gagatgggac agcacgactt tgggattgtg ggcncctaac 660
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<210> 956

<211> 777

<212> DNA

<213> Homo sapiens

<400> 956

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 tcttaccctt aaaagaaata ctctgtgtca aatggaaaac tatgttcctc attctaata 120
 ccaggataac cacagtcctc ttggaatag cattttaaaa gttgcaacat ggttatgaca 180
 cacttgcttg tcagtgtctt aaaactaccc ttcacaagga agcagagtat cctcgtttcc 240
 actgaaaatg aaacggagac ttctgcctgg gaagtgtagt ccctggaata ggccaggtcc 300
 tctggccccct cgggtccaca tgagctggaa ggctcagctc ctgccccatt cccactccca 360
 cccctccccc acggtgccaa gccagcagg acggcttcct gggcaactcc accatgggca 420
 caccctggc cctcagggtt gttgcctgga gaactcattg gcctcctggg aggtccccag 480
 ttgccaggac aaggctatgt gggatggctt ctccaacaac aactcgacat ctctctgca 540
 ggggtgcccc tgacacaaca gctggccact gggccttcct gcacccaccc tgtctatgca 600
 cggggcttgc attctgatct cagcagtcct ctcaaggagc aataatcttg gctcagctct 660
 tatcngctg gactgatgaa tgggggtgcc tggtaggnc ccaacctttt cacagagttc 720
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<210> 957

<211> 832

<212> DNA

<213> Homo sapiens

<400> 957

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tcagagcttg tctccaggtt gagaattacc tgttttccac tctgagggga ttagaaagat 60
actgttttaa tgggttataa aacttgtgtg aagaagattg gccttctcca cctctcctgt 120
gaaataaatt gtttgaaaac tctttgaaga gaaatggctt cagtatatgt ttctatctct 180
gctaccccaa agcccagaga acaaatatta agtataaatt gctaggctag gtatgtcata 240
tgtggcagct ttgacatgta aaccaaaga ctgagccaag tctcaatcaa tgtacaggtt 300
at ttgtgccga ggttgaagac acactagggg aaagagacac aagctacagt atgatctatg 360
gccctactt tctccaaaga ggattttgag ggcttcagta tttaaagggg aaaagtaggc 420
aggaggagaa aggaggaaag aacanaaaaa agaggagag catggtcaca ttcttaggag 480
gctttgattc acactcactg aatccatgtg ttgcacgtgg caaggaatgg gtagaggaac 540
agtcgattat gtatgtcccc tgctcagtaa aactgcactt taaaaagat aaacagaata 600
ggggaagaag tcaaatatgc atttatctca ngctgggcag tggggatggt ttgtactctc 660
ctcttgctcc atacttgggg aggccacctg gggagacatg gcctcttgta gctatctgtt 720
taggaacaaa aggaaagaca gtgttctgtg acccacttcc aagcttaact ttccctttg 780
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<210> 958

<211> 798

<212> DNA

<213> Homo sapiens

<400> 958

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ttaaataatg ctccaattct atgtgttcag tcccatcttg gttacacaga aatggtagcc 180
ctgctgctgg agttcggggc caacgtggat gcctcttctg aaagtggcct gactcccctg 240
ggatatgctg cagcagcagg gtacctgagc attgtggtgc tgctgtgcaa gaaacgggcc 300
aaggtggatc atttgataa gaacgggcag tgtgctttgg ttcatgctgc actccaggtt 360

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catctggagg ttgtcaagtt ttgattcag tgtgactgga cgatggccgg ccagcagcaa 420
 ggagtattta agaagagcca tgccatccaa caggccctca ttgctgcagc cagcatgggt 480
 tatactgagg taagaagtag gcaataggat tgttttttca agctctgtat tgaaggaccc 540
 aggaaaccag gagaaaagat tgcacgaaga caaaattgcc aaccaaatta atgtgaattc 600
 gtgatcgctg ctctgaataa taaggagatt aaactccatg aagcacttta ctcaaattgcc 660
 aaagtccctc aaattatagg tatagaaagg tgccaagtig gaaaggaccg tggaaatgat 720
 ataattattc tccatgtttt cctnctgtt taacagacag tggcaccaan gctcaaagag 780
 atgaattatt gangtgta 798

<210> 959

<211> 812

<212> DNA

<213> Homo sapiens

<400> 959

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 tcaggagatc gagaccatcc tggctaacac ggtgaaaccc cgtttctact aaaaatacaa 180
 aaaattagcc aggcgcatg gtgggcacct gtagtcccag ctactgggga ggctgaggca 240
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 tctagcctgg gcgacagaga gaaactctgt ctcaacaaaa aaagaaaaga aaaacagagc 360
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 ttgcagcgaa ggaggctttc cattgagtta tgtgctcatg acattcttag tcatggactg 480
 acttaacttt cttgatctta aataagtaaa tcctttcttt cttttctccc tgttgtgttt 540
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 tggtaaagct actggttgga ngtagtgata catggcgtag tctattctgt taaggcttag 720
 aagtcttcat aggaaggata agtccacatg angntcgcat acttcagatc aatattgagc 780
 ttgggtccat gcagtanaag aaggctgatg ta 812

<210> 960

<211> 825

<212> DNA

<213> Homo sapiens

<400> 960

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acagcaacca aaacagcatg gtactgatac caaaacagac atatagacca atggaacaga  180
acagagactt cagaaataac accacacatc tacaaccatc tgatctttga caaaactgac  240
aaaaaaagga atggggaaag aatcttctct gcagtaaag gtgctggcta gccatatgca  300
gaaaagttaa actggacccc ttccttacac cttatacaaa aattaaatca agatggaaac  360
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ttcaggatat aggcattggc aaaggcttca tgacgaagat gccaaaagca attgcaacaa  480
aagccaaaat tgacaaatgg tatctaatta aactaaagag cttctgcaca gcaaaagaaa  540
ctatcattag aatgaacagg caacctacag aatgggagaa aatgtttgta atctacccat  600
ctgacaaaag tataatatcc agaatttaca aggaagttaa acatatttac aagaaaaaaa  660
caaccctgtc aaaaaatggg caaaggatat gaacagacac ttntcaaaag acattcatgc  720
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<210> 961

<211> 765

<212> DNA

<213> Homo sapiens

<400> 961

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aaaaaagcag cagaacctgg aagtccacgg ggagcttggg tgccaaaggg aggacggctg   60

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ggtcctctgg agaggactac tcaactggcat atttctgagg tatctgtaga ataaccacag 120
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 caagaacaat ggaggccagc gggaagctca ttgacagaca aaggcaagtc ctttttccct 240
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 aaatgttggt gaaagtatca gagagcagtc ctccctgggac tacgtttctc tgaagaatgc 660
 cgaagactta gatgtaggcc aaaacaatat tgagactata taatcaagcc ccaactncta 720
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<210> 962

<211> 608

<212> DNA

<213> Homo sapiens

<400> 962

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 gtagatacat actaggtata tatatttatg aggtacacaa gatattttga taacggcatg 180
 caataaataa tcacatcagg gcaaatgtgg tatccattac ctcaagcatt aatcctttta 240
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 tccatctatc tattgtttac atttatgtat tgaggagagaa cgtagagttt agttttgagc 540
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ttcnggga

608

<210> 963

<211> 714

<212> DNA

<213> Homo sapiens

<400> 963

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tacttttga agttgaattg tgaagccacc tttgtgagca gtatattact gtctatactt 180
gctcaatggt ttagaggagg tgggaggga gaaattgcaa aagataatat gctagtgtgt 240
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gtttatttaa cagtgcccggt gtacatgggt gacaagctat gaaatatcta gtctttanat 660
gtttggaagt gcttgatgta ttttaaagna ntagtagtag aataacactt tttg 714

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<210> 964

<211> 776

<212> DNA

<213> Homo sapiens

<400> 964

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ggttatatgg ttaataagtg gttaggatta gtaactaggc cagacccttc tatggcctgt 180
 ttttatctct aagatgatcc ccagtatgtt agacttgaaa ctatggatgg agtgaaaaat 240
 attctctgca aatacatcaa cactctgaaa gccattgttt tctctgttta gaaagtagtt 300
 gaaaaagtag tgagaaacta gagctttttc ttttctgggtg ttagtttcag cticctacct 360
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 gacaagtcag tgccatctca aatatnattt cctcagaaat caagatttta gagcatttga 720
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<210> 965.

<211> 736

<212> DNA

<213> Homo sapiens

<400> 965

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 gacctggaag ggcccagcct tgggctgaat ggcagcacc acgcccgcc gtcgggtgct 480
 gaccacctg ctggtggctc tcttcggcat gggctcctgg gctgcggtca atgggatctg 540
 ggtggagcta cctgtgggtg tcaaagagct tcagagggtt ggagcctncc ctcttacgtc 600
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gccccaggaa aggacnagca ggtcccatn cgggtgtgca agtgctgggc atggtggcac 720
aacccttggt ggcttt 736

<210> 966

<211> 854

<212> DNA

<213> Homo sapiens

<400> 966

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agatgacagc cagagacata aaacaaacct aaaaatgatt aaaagaattg aaataatcaa 180
aagtagttat cttaccataa tgagatttaa ctagaaatca acaaaagaaa gataattgat 240
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catatgaagt agctaaatca gggcttagag ggaaatatgg aggattaaac cctcatatta 420
gaaaagaaaa aaagaactgc aatgagcaat ctaagcttct acctaaagaa actagaaaaa 480
gaagagcaaa acaagtctaa agcaagcaga aagaaggaat tttataaaga taagagtaga 540
tatcaatgaa tttgaaaaca atagtggaga aaaccaataa aattaaaaat ctgggtttttt 600
aagtatatca agagctgata aacctctagc cagattgaca aggaaatatg acataaatta 660
ccattgtaag gcatgaaaga nggcatatca ctatagtccc cacaaaaata taataagcaa 720
acaccatcaa gagctctgtg cacataaatt cacaatatag atgaaatgga ccaaatccta 780
gaaggaagaa gctggccaaa cttaccccaa atatcccttt atatctcaat aaattaatgn 840
ntaattggat cttta 854

<210> 967

<211> 461

<212> DNA

<213> Homo sapiens

<400> 967

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caagccaatt gctctaggcc ccgtggctgg ctacttatgg ggcactgtcc tgaccagctc 180
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ggggccccct gcatcgccca ggacgcccag gccggtccgc cggggaagcg gcaggcggct 420
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<210> 968

<211> 805

<212> DNA

<213> Homo sapiens

<400> 968

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aataacttca gtttttgtcg agaggaaatg ggtgaagtgt taaaaagttc aacattttca 420
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gaaagtaaag actacttgtc cttatatttg cttttagtca gctgccccaa aagtgaagtt 540
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agccaaagag catatcgatt tgtcaaggg aaggactggg gttttaaaaa attcattaga 660
agggactttt tgcttgatga agctaattgt cttttaccag atgacaagct tacattattt 720

tgtgangtga gtgtggtcca agattcanta aacatatcag gacatactaa ttcaaatact 780
ttgaangtgc cctgatgtcg tctac 805

<210> 969

<211> 543

<212> DNA

<213> Homo sapiens

<400> 969

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<210> 970

<211> 445

<212> DNA

<213> Homo sapiens

<400> 970

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<210> 971

<211> 841

<212> DNA

<213> Homo sapiens

<400> 971

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<210> 972

<211> 821

<212> DNA

<213> Homo sapiens

<400> 972

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<210> 973

<211> 868

<212> DNA

<213> Homo sapiens

<400> 973

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<210> 974

<211> 807

<212> DNA

<213> Homo sapiens

<400> 974

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<210> 975

<211> 834

<212> DNA

<213> Homo sapiens

<400> 975

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<210> 976

<211> 745

<212> DNA

<213> Homo sapiens

<400> 976

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<210> 977

<211> 814

<212> DNA

<213> Homo sapiens

<400> 977

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<210> 978

<211> 812

<212> DNA

<213> Homo sapiens

<400> 978

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<210> 979

<211> 811

<212> DNA

<213> Homo sapiens

<400> 979

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<211> 810

<212> DNA

<213> Homo sapiens

<400> 980

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<210> 981

<211> 746

<212> DNA

<213> Homo sapiens

<400> 981

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<210> 982

<211> 808

<212> DNA

<213> Homo sapiens

<400> 982

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<210> 983

<211> 812

<212> DNA

<213> Homo sapiens

<400> 983

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<210> 984

<211> 808

<212> DNA

<213> Homo sapiens

<400> 984

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<211> 808

<212> DNA

<213> Homo sapiens

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808

<210> 986

<211> 787

<212> DNA

<213> Homo sapiens

<400> 986

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<210> 987

<211> 840

<212> DNA

<213> Homo sapiens

<400> 987

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 agacgttgaa acactgagtt acctcatgga taatttaata gggtatgcag ctgatttttc 780
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<210> 988

<211> 412

<212> DNA

<213> Homo sapiens

<400> 988

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 ctagaaggaa gaaaattcaa tgcttagagc cttacctatt gaaacggatc tagggagcag 240
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 gtccaactca aaaagctagt aagagagcca ggtattaaaa ttttaaaaca acancagtaa 360
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<210> 989

<211> 840

<212> DNA

<213> Homo sapiens

<400> 989

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tncaagatgc cagctcattg tcaagaaaca ttttagaaaa agaaaggga cttcagcaac 780
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<210> 990

<211> 780

<212> DNA

<213> Homo sapiens

<400> 990

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<210> 991

<211> 838

<212> DNA

<213> Homo sapiens

<400> 991

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 gaatattaca tgaaaatttt caaacattaa aagcagaaga taattttgaa gacatcataa 660

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 ggttcttatg aagctacagt cccttttagc aaagcaacca ccaactgcag cttggaaggn 780
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<210> 992

<211> 714

<212> DNA

<213> Homo sapiens

<400> 992

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 tcatgaggtc aggggtacctt ccactgtgct tcatgaggtc aggggtactn cactgtgctt 660
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<210> 993

<211> 793

<212> DNA

<213> Homo sapiens

<400> 993

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 ggctatctca gacagtttta cggaaaatat ttcttacaga gacagaaagg attnccaccc 720
 agttaaatgg ttcatcttct gngatttgcc ctgcaangga gctcatctgg tgttgaaaag 780
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<210> 994

<211> 839

<212> DNA

<213> Homo sapiens

<400> 994

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 canggttggtg caagcctntt tggcttggtg ggaattgcag cttataaaca cttccagac 839

<210> 995

<211> 760

<212> DNA

<213> Homo sapiens

<400> 995

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 ttcaaaagca gaactggcca gaggtgcttg tgattcctgg gtggaaacca tggcagtgga 660
 cagaagcagc atggaggaaa agagcactgg aattcangct gaggaactgt gaagcccaag 720
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<210> 996

<211> 842

<212> DNA

<213> Homo sapiens

<400> 996

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<210> 997

<211> 747

<212> DNA

<213> Homo sapiens

<400> 997

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<210> 998

<211> 708

<212> DNA

<213> Homo sapiens

<400> 998

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<210> 999

<211> 823

<212> DNA

<213> Homo sapiens

<400> 999

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<210> 1000

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1000

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<210> 1001

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1001

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<210> 1002

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1002

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<210> 1003

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1003

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ttctaccctt ttggcttcgt ctgtgttagc agtgtgaagt gaaaaatnga taggaaatg	720
tatttttttc ttaangctta natagttaca gccaaaacat tttgtcatat tgggttttga	780
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<210> 1004

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1004

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gtaancactg 550

<210> 1005

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1005

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<210> 1006

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1006

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<210> 1007

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1007

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caccactcg ctcccgttcc actcgtcacc ccaggccatt ctcatgttcc ctccagactg 180
cccggttcct gggcctgacc tggagatcaa tcccactctg gagtctctgt gtctgagcat 240
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<210> 1008

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1008

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 aactccccac cacaagact gcactgcata tctcataaag gagagcacac tatggacagc 180
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792

<210> 1009

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1009

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<210> 1010

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1010

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gctaattttt tggattttta gtagaaatgn g 871

<210> 1011

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1011

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<210> 1012

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1012

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<210> 1013

<211> 657

<212> DNA

<213> Homo sapiens

<400> 1013

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<210> 1014

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1014

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<210> 1015

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1015

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nng

783

<210> 1016

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1016

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<210> 1017

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1017

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<210> 1018

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1018

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 cccatagcac tggctcttga atttaacatg cttgcacaag gctgtgagga tatcattgct 780
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<210> 1019

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1019

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 ttcttcagt agttgtaaag tcggccctct gtatcaacag gttccacatc tttagattca 180
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 tttatataag ggacttaggc atctgagggt ttggtatcc agaggactgg atgccaaggg 420
 ataactgtaa aagctgattt gaaaagtctg ttaataccat ttttaaaaaa ttgtcaccgt 480
 gtagtcttca ccttttgcaa agattttttt ttttaagtac tacctctcct ttttgatcaa 540
 ggcagtatgc aatctttgta ttagtgtatt ttcagaaaca tcaattagat gtttaacttg 600
 nttccttttt taaatgcttc acagataatt nactagatta tttttaacaa acaattcaaa 660
 gcttgaatta ntgaaacttc aaaaccgatt g 691

<210> 1020

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1020

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aatgtttatt tttaatggag gcagggtttt gctctgttgc ctaagctgga gtgcagtaac   60
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tcctgagtag ctaggactac aggcatttac taccagcccc agctaatttt taaattttgt  180
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gaatcaagcg atccgcctgc cttggcctcc caaagtgtg ggattatagg cgagagccac  300
cacatccggc cttatttaat taattcacca aataaagtct agaaagagaa tattggaaaa  360
tataaaaatc tgcagcagta ttattcaata atactgctgt ttaacgaaaa aacagacttt  420
ggaacccagt ctgaagaata ctgcatttaa ggagatttag tgtgaatgta atcttcagca  480
cagaagcaaa tgtggtcact gaaatcatat tcctacacaa ttatgaagtg gatgttcaag  540
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cctctgaaaa gaagtcatta gatcccagtt tcagaaatgc agatttaaaa caagtagttc  660
aaaaatctct ttcactttgt gttgatgaga actacaaan gaacttaagt aatacttttt  720
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<210> 1021

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1021

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gtcntttttt ttgtactttg gtcactattt agaaaggggtg atcagttaga cacaggccac   60
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tgatgaaagg catttaaccc tagagcatgt acaaagctga gtcgcaagtc tcagaaatag  180
tgtcctaaag tgatgtattg gccctagagg gaattcgtat gtacttatac acaaattcac  240
cataatgaat gcaccaaadc atacttttaa atgcccaat aattcatatt cataaatttt  300

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tcattttgag cccctagata ttttttaatc aaaaccata ccactatcca ttcattcttc 360
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 cttctacttc tcatgtccat aggataagca aaagaaaaaa aatctgaaac acctgagttg 480
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 gtcattggggg caccctgcct gttttcttct gtagctcata ccggtcacgc cttgttttgt 600
 ctaatgactt cccagggtgc tggtagcaat tcttcattag ttgctgttgt cctagaaatc 660
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 aatgtttggct gtggaaaaag aacatttcca cattttgctt ggccatttgt tctggaaatc 780
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<210> 1022

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1022

aaaatacaat tcctaaggca atatctgctg gtaagtcaag ctgataaaca ctcagacatc 60
 tagtaccagg gattattaat tggaggaaga tttatggta tgggtctggc tgggaagaag 120
 acaactataa atacatattc ttgggtgtca taatcaagaa agagggtgact tctgtttgtaa 180
 aataatccag aacacttcaa aattattcct aaatcattaa gattttcagg tattcaccaa 240
 tttcccatg taagggtactg tgtgtacct ttatttctgt atttctaaaa gaagaaagtt 300
 ctttcctagc agggtttgaa gtctgtggct tatcagcctg tgacacagag taccagtgta 360
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 tgtggtgttt gtttccatcc ccaaggcaaa caaggaaagg aaaggaaaga agaaaaggtg 480
 ccttagtcct ttgttgcaat tccatttcca tgccccacaa ttgtctgaac ataaggtata 540
 gcatttggtt ttttaagaaa caaaacatta agacgcactc attttatata aacacgcttg 600
 gaggaagggg actcagggaa gggagcaggg agtgtgggtt ggggatggat tatgatgaaa 660
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 gctcta 726

<210> 1023

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1023

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tgacctggac cacaggggct tcagtaacag ctacctgcag aagttcgacc accctctggc   60
cgctctctac tccacttcca ccatggagca gcaccattc tcccagactg tgtccatcct  120
ccagttggaa gggcacaata tcttctccac tctgagctcc agtgaatatg agcaggtgct  180
tgagatcatc cgcaaagcca tcattgccac agaccttgct ttatactttg gaaacaggaa  240
gcagttggaa gagatgtacc agaccggatc actaaacctt aataatcaat cacatagaga  300
ccgtgtaatt ggtttgatga tgactgcctg tgacctttgt tctgtgacaa aactgtggcc  360
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ccaaggccag cttgggttct acaatgccgt ggccattccc tgctatacaa cccttaccca  540
gatcctccct cccacggagc ctcttctgaa agcatgcagg gataatctca gtcagtggga  600
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ggcagctgca tctgaagatt gagcactggt caccctgaca cgctgtccca cctacagatc  720
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<210> 1024

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1024

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aaaatggata catcccagta gcaacatagg caagtactta gccatgtgac cctcctctg   60

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 gctggcatca gacactcttc accttccgga cccaagacc ccaacagctg cccatcatca 660
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<210> 1025

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1025

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 aagagtcattg tgttttaaaa aaacctatca aacgagtata taaaaaattt gatccagttg 180
 gagagatttt aaaaatgcag gatgagctct taaagccaat ttccagaaaa gtaccagaat 240
 tgcccttaat gaatttagaa aattctaaac agccttctgt ttctgagcaa ttgtctggtc 300
 cttcagactc ctctagttgg ccgaaatctg gatggccttc tgcatttcag aagccaaaag 360
 gacgattgcc atatgaactt caggattatg ttgaagatac atcggaatac ctagctcctc 420
 aggaaggaaa ttttgtttat aagttattta gcctgcaaga cctgttggtta ctgctacgct 480
 gcagtgtcca gaggatagag acaagaccac gttctaaaaa acggaagaaa atcagaagac 540
 aatttccagt ttatgtacta caaaagtag agtatcaagc ttgttacgga gttgaagctc 600

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 cagaagaatt aaaagaaaag ctttcagcac tcaagaattc caatttattt aacatccttc 780
 aacacattct aaagaaacta agtagcttgc agganggttc ctacttggtt tctcatgcng 840
 cagaagatct tcacttctg 859

<210> 1026

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1026

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 cacctcaaaa attattccac agtttggatg ttagtattag gtattatata agaatttccc 180
 ataatcaaat aatattgaga aatgctgatt tttgggaagg cacaactttt cccaaacttc 240
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 cagcatcctc ctctggaggc cagcatcttg caagactact tattccttga aatacactgt 360
 ggaaaaaaca ctgatgtcag gggatattga aataaactca ctgcatgcgg catacccttc 420
 aaagacattt ttcctccctt tggaacagtt gaaattcaaa tgacatatcc tagcatgatt 480
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 gtttagcccc caggccagtt tttggtcccc tggataaggg ttggtatcca gacctcttag 600
 agcttttctg catcagcttt ccagggttta ttcaaaccct tcatgtgctg gaagtccttc 660
 accctttatg aggcacagga ggcgatacgc ttgcatctcg atctctcagc ctcggctcat 720
 gctgggtctc cttctctatc ctgngttcca gccataggaa ttctggtcat tggggtggn 780
 aggttacgca cccccacat ncccaacctt ttggacatg 819

<210> 1027

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1027

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aagtgactat ttccattccc tttcatgtat ttgccttgct tggaagactt tgattatgtg  180
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ttgcttaagc tcacatagct agttagcagc agagctgggc ctaaaatctt ggaccatttc  300
caaatccagt gtttgcttta ctgtatcaca ctgtgcaacg cttgtgttga tcaactgtgag  360
tacttaatat actagatttc taacagcagc ctatttgctt ctgattgccg actagttcac  420
ttcaattcat atttatctta actgaaaacc actccttctg acggctcgtc tgttgtctat  480
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agtagctcaa agtgatttga aaatgtctca ttaatcctca taacaccctt gtgggataat  660
aataatatta ttataacgtt taggcgtaga actgtggcaa agccaacagc ttctctgaca  720
tgtgcaggat ttcctcatat ttcagtctgc aatactagag cctgactaaa accggcaggt  780
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<210> 1028

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1028

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gttcctgtaa ctatgtgcct agtacatagc atgtgctcag tgtttgttga aaggaaaagg  120
tctgaagttg attctatcgt caaagaaaat atttcagtat aaagcatgta gtttatacca  180

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agaagccttt ttaaacttaa ggtctctttt ttcataacat gtacatataa attttaaaag 240
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 tcagatcatc tttttctctt tggaggattt accactgata aacagccact aagtaagtcc 420
 ttgaaaaata tgataatgaa atcatcatat atcatccata tctaatagct gaaaatgagt 480
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 gtgggggaaa aanangaaaa tatactctct gtatctgctc atgatctatt acctttcttg 720
 ccaaagctgt gccctttaaa tggcaatgtc atatttgcca ggactaacat acttcatttc 780
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<210> 1029

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1029

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 tgggcaatat agggagaccc ccatctctac aataaataaa aataaaagct ttcatttaca 360
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 caacataggg agaccccatc tcttaaaaaa aaaaagataa actaaaaata aattaattaa 600
 aaacacctgg ttgaagacat cagcgagctg gcaacaatga agaattccta aggaaacaga 660

aactttgtta ggggagctgn ttcccttgn gtggccaat tctgcgagt gtaagtgatt 720
 gctgactgtt gaatggccat ttgacacct tatgggacaa ggaanaaagg gcctgcactg 780
 gtaacccttt cccttacttg gaatgaggat cccaaaggct actcattagg agtacagtgg 840
 tccaaaagta anc 854

<210> 1030

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1030

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 ggaaacagct gttttcagac ttcaggtaac agtagaagac tgtaattctt aactgaaagg 180
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 tacagtaaaa tncagcacca agaattgaaa attcacaatg gncagtatct agtcagaatt 780
 ttcatngt attggggatg aaagtatgtg gaagggcaaa agaaggcttt cccaganggc 840
 ttagggaacc ttt 853

<210> 1031

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1031

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aaagagactt g 851

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<210> 1032

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1032

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aaaaaataga agataaagag aacaaaacaa caaaaaatta tagaaactaa atccttatat 60
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tttgtatata cacacaaata taaataaaca cacttgtaag atatataaag acatcaaatt 180

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 gggcatcact gttctaattc ccattgactg acgtgttggg gacctcattc atttctttca 600
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<210> 1033

<211> 656

<212> DNA

<213> Homo sapiens

<400> 1033

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 tttgtttttg gtttttattt tttcttaaatt ttcaaggata ttccttcttt tgtaaagtgc 180
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<210> 1034

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1034

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gcgggtcgcc ggagctctga tcgccgggaa cccttgccgc tgctgtcctg cgaccccaag 180
caggtataga cacgtgtggc cgtttacgct gtaggatcct cattcccact ggctttgaac 240
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agcaaaaggc ttccagaatg tcctgacatg cagattctgg atttaaggcc caaaangggg 660
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<210> 1035

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1035

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taaaaagcat gatttgcaaa tattgtcaag tccaaagtgt gtttctaaac tactaagcta 240
gccaaatgca tctctatatg ttacaatgtt ctgcagatgt gaaaaaatcc ttccgggtt 300

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tatgaaagtg agaatgatat gcatcttttag ctgcctctgg catccggcac gtcacacagt 360
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<210> 1036

<211> 675

<212> DNA

<213> Homo sapiens

<400> 1036

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 ttctccttta aagggactcg gaaagtggca gaggaggctt gcattgccct ctgtgtggag 180
 cggactggcc cagaaatggg ttcttctcgg gtgacctgag gtcaagtcag tctataacaa 240
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 aaccaaggca gagagtgggg atgaagccat gacacatggg tggcagagct gactcatacc 360
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 ggtgccttgg acttcagctc tgctatctgc agtgggagcc caccagacac atcctgggtt 600
 tgagactctg gggttgtgct ttgacagctg gctgccctgt cccttggtng gggggggggg 660
 ggnccctttt tnccc 675

<210> 1037

<211> 660

<212> DNA

<213> Homo sapiens

<400> 1037

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 aaaaaagaaa agaagaaatc tggtaggtat tcatcttctt ctcatcaag ctctgattct 120
 tccagcagtt ctcttgattc tgaagatgag gataagaaac aaggaaaaca gagaaagaaa 180
 aagaagaacc gttactgaat cagacagtaa ggatagttta aaaaagaaaa agaagtcaaa 240
 agatggaact gagaaagaaa aggatattaa aggactcagc aaaaagagaa agatgtattc 300
 tgaagataaa cttttatcat ctgagtcctt gtcagaatca gagtatattg aggaggtgca 360
 agcaaaaaaa aaaaaaaaaa aaaaaacccc acaaagtcaa aagacaagtt tgaaaaatgt 420
 ttacagctcc acaaagatag acaaatttcc ttgatgtatg aaaaatgtca acaaaccaat 480
 aaaaagacta acaattcagt agaaaaatgg acaaagaaca aatatggaga ttcatagaaa 540
 tgagagataa atgtcatgat gagaagggtga ggtgctcact tgatttataa gagaaatgaa 600
 aattaaaact acaccagatg ccatttttta aaaacctatt acattgngaa aaaattttnn 660

<210> 1038

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1038

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 ggctggagag ggaacatgg ggactgtgca cgcccgaggt ttggagcctc ttccatcaag 180
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 taaacaggaa attcttgaaa acaaagatgt ggttggttcaa catgttcatt ttgatggact 300
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 cctaattgag gtaatgcgga aatctcatga agcccgtgaa aaattgctcc gtcttggaat 420
 ttttagacaa gtggatgttt tgattgacac atgtcaaggt gatggcgcac ttccaaatgg 480
 gttagacgtt acctttgaag taactgaatt gaggagatta acgggcagtt ataacaccat 540
 ggttggaac aatgaaggca gtatgggtact tggcctcaag ctctctaatac ttcttggtcg 600

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642

<210> 1039

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1039

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ccctgaaggt ccaggagtac ccgaccctca aggtgcccta cgagacgctg aacaaacgct 120
ttcgcgccgc tcagaagaac attgaccggg agaccagcca cgtcaccatg gtggtggccg 180
agctggagaa gacgttgagc ggctgccccg ccgtggactc cgtggtcagc ctgctggacg 240
gcgtggtgga gaagctcagc gtcctcaaga ggaaggcggg ggaatccatc caggccgagg 300
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tgctgcgttg cggctactac aacacggctg tcaagctggc gcgccagagc ggcatcgagg 480
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gtgagacggc cacctgcctg gcctggtgcc atgacaacaa gtcccggctc cggaagatga 600
agagctgcct ggagttcacc tcagaatcca ggagttcatt ggaaaaaccc ttttncnaaa 660
tttttncccc cccggggggg g 681

<210> 1040

<211> 655

<212> DNA

<213> Homo sapiens

<400> 1040

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aatataattt gaagccctac cattttctag gaattctgcg agaacctagg gaatagatag 120

gactacattg attttgtcat catgggattc tggaaacatt caggaggagc atctcatctc 180
tagcctaggg tgtcagaaag aacttgagta atcaaggatt gggctctaaa ggacaagtga 240
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gaaatgatta cattaaaaca ggcctagaca caaaccacca cattttttgc cagaaaggca 540
tagaaacaaa ttgtattagt gcttgccagg ttctgggagg agttggagat ggagaatgac 600
tgctaattggg tataagattt ctgtatagtc tgnctctcatg ccttggnctt ttaaa 655

<210> 1041

<211> 665

<212> DNA

<213> Homo sapiens

<400> 1041

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atctatgcaa gcatggggca taacctttgt tatagctctt tcaactgcatt ttttggtctt 120
atttcccaa taaaatagag aaacaatatt ttaaggaatg tattgtcccc ttagctttct 180
tattttgcct tttcaggaac tatttgcgtt tgcggtattg cttaactatg aaatgctaga 240
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tgattcttgt agtacctaaa atgacatttt ctgcctacat aacctgttaa tccagttttg 360
agttcccat acattttcat cgtcagtggc aagccagatt aatttatagt ataatcattc 420
aaaaagttta gtttacagat tttaaagttg cttttcatat caattttatt tatgctgntt 480
ttatatattaa attgctttct atgtgagtca tccatgtaat tttcatccaa actgaaatta 540
acctttgcgt aatttctgct ttcttgaaac tactttttct ttgatgatt aaatattgta 600
tgattactgg agttggtgat tgctaactac tganagtcag tgggnncccc ttttaaaaaa 660
aaaaa 665

<210> 1042

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1042

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ccaggacat attcaccatg ccatgggtgg tggctattaa accttgataa atttgtgttt 120
atggttaaca aatgtgaaag ctattaaaca ttgctggttt gaatttttta cagtgcagaa 180
atgtaaaatg aaaaaggata tttcctttca cagtgttacc gagaagtcac gataatttcg 240
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ctgtggttgc tgtgacaggc actatttgaa gtgctttatc atggattaac tcttaatcct 360
cagctaccgt ataaagtagg acataacccc atttcacatg cactacactg agacttgcct 420
cctctcccc caccattgaag atgttctttt tttcataact atatactatt ccattgcatg 480
aatattctgt aatttattta atcccctatg gattgataat taggttcatt atagatagaa 540
gtgtaattaa cattcctgta catgtatttt gctacttgtg tgggtatttc ttaggatga 600
ataactagaa atttattgga tcaggtttca catttgcagt ttttttttgg ggaaaaaaaa 660
aaaaaaaaacc ccttttnaaa nccntttttt aaaaccccc cccaaaaaaaa a 711
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<210> 1043

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1043

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tgtggaatag ggaaggtttt ttctaaggct tcattattgt gccagtctca agttgaaaag 120
aggctacatg attgtacatt caagtcttat gttttcctat atttgaaaaa taaaacatt 180
tataaaatat atgcaatgtt tactgggtgc ttttcctcgt attagtgttt taaagcaatt 240
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gaagaaaata aatatttcag tataaaaagg agcaaatgta tatgaataag tacttaagag 300
 aaaaaaattt tagtgacagc tttaatgggt gataattcgg tacccttcag ttcacccatt 360
 taaagtatac aattcattga tttttattat agtcacaaat gtgtacaact gttaccaaaag 420
 tgaatttgat aatttttttt ttatcacctc ataaagaacc ctgtaccctt ggccaggcac 480
 atttgctcat gcctgtaatc ccagcacttt gggaggccca ggtgggcgga tcacttgagg 540
 tcaggagttc gagaccagcc tggccaacat ggtgaacctt gtctctacta aaaataaaaa 600
 aatgagccga gtgtggtggt gggcgctgt aatcccagct tacccttttt tggggggggg 660
 gnaaaaaggg ggggncccnt ttttaaaaaa 690

<210> 1044

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1044

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 gtttttgtag tggctggtac tgctttttcc tttttgtatt tagtgcttcc ttcagaagat 120
 ctgtgaaggc aggactgggt gtgacaaaat ctttcagcat ttgcttttct gtgaaggatt 180
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 gggaggctga ggctggcaga tcacctgagg tcaggagttc aagaccagcc tgaccaacat 360
 gggaaaactc catctctact aaaaatacaa aattagccag ctgtggtggc acatgcctgt 420
 aatcccaact acttgggagg ctgaggcagg agaatcgctt gaaccagga ggtcaggttg 480
 cggtagagcc agatcttgcc atcactctcc agcctgggca acaagagtga aactccatct 540
 cacacaaaaa aaagaatgtt gaatattggc ccgcactctc ttctggcttg tagtgtttcc 600
 gcagagaaat ccactgttag tctgatgggc ttccctttgt gggggaaatt ttaaaaaaac 660
 ccccccccc cnggggaaaa accccccccc cttttttttt ttttncccc 710

<210> 1045

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1045

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ttttaaaaga agattaatag ggaacgtgga ggtatTTTTT ctcttgacat gagtgggtgca 180
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cagtgatTTT gatagtaggt ttagattggt catcagaaag ttggctctgt gtttctctat 480
atcttggcac ccaaagtTtc aatttaactc caggtagcca ctgtcttat ggctctggtt 540
catagcgagg caattaacct tcattataat ggttgggttca caatagaaca attatctagt 600
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<210> 1046

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1046

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tgctgtcaca gccatgccac cttagagctt tgtaaagcct gcaaagggt ctttaaaaac 180
ttcaagccag gcgcagtggc tcacacctgt aatcccagca ctttgggagg ctgaggcagg 240
cggacacttg agcccagggg ttcacagctg cagtgaactg cggtcatgcc actgcactcc 300
agcctgggtg acagagtaag acctgtctc acagaaataa gtctaacttt aattgaaatg 360
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ctgtagcang ctgagcgcag tggctcttgc ctgtaatccc agcactttgg ggaggacaaa 420
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tctctactaa aaatacaaaa attagccagg tgtggtggtg tgcacctata gccccagcta 540
ttcaggagac tgaggcagga gaatcgcttg aacctgggag gcggagggtg cggtgagctg 600
agatcatgcc actgcactcc agcctgggca acagagcgag actttccccc ggnnnnccct 660
tttt 664

<210> 1047

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1047

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atttccctct tctcctgtgc ttctatctaa aagtctctcc tggataatta tcattgcagt 180
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gtcccaccag ctctaaagaa agcccccagg aggcaaaaag gccacagtat tggctctgaaa 660
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agactttgtc catcc 855

<210> 1048

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1048

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aaaggaataa agtatattgc aaaaacccaa gaccaattcc ctactttaaa ctgtggtaaa  120
atttgaagag attgtaaaaa aatgaaatat tgtgtttaga agagaatggg atgatcacca  180
tgaatcaata tgaatttata agaataagac atgccaaaat gacctcattt tttttttgct  240
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gcgttttagtt aaataatagt tactttatat actggttcct cacagagaac tgggtggtgaa  480
cattaatttg catatattca gaaagtatgg attttagatt aacgagtttt ttttaaggatt  540
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tttgcaacca agctgtattt gtaagatata taaatctgnt ttttaatttac atatgtaacc  660
ttgacttata aattacttag aagccaaggc gtaatattag catttagagc aaagtctggc  720
tatgttaana atgctaacgt tatgaagaat cttttctttg gtcagtaacc actatngtaa  780
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<210> 1049

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1049

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ggggtgtggc aggaggtgag tttacataa acctccaagc aggagtcaaa agtagacaag 180
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tggccagacg tgggtggctca gtctataatc ccagcacttt gggaggccga ngcgggcgga 600
tcacgaggtc aggagatcga gaccatnctg gctaacaccg ggaaaccctg tctctactaa 660
aaaatnc 667

<210> 1050

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1050

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gggggcctta taccattaa gaagaggaaa tatatagaaa aaagtggcct ggagagaaac 180
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actatggaat attacacagn caaaaaagg aatgaagtca tgtcctttgt agcaacatgc 660
atgggtgctgg angtcactat cctaagtga ttaacnca 698

<210> 1051

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1051

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gatggctcatg ataaataaat gcttactgct gtatttcact gcttgtctgt gcttcttttg   180
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gtcacgctac tgcactccag cctggcatga cagagtggga ccacgtctca agcaaaacan   600
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tgccgat                                           667

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<210> 1052

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1052

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aacgcgggtc tcaggtttga ggtggtcccc tccaagtitta aagagaagct ggacaaagcc   180

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<210> 1053

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1053

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 tttataaatt aagtaaaatc aagttttataa tcttttaaagc caaaggtttt tttaaaactt 840

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<210> 1054

<211> 686

<212> DNA

<213> Homo sapiens

<400> 1054

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cattccgggc cctaaaacag ttttttttagc tcgtcagcta tcgttaatgt taatgtat 180
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tggacacccc tgaaaattac atatcttctc caacagagtg tttgtttaca acagccagaa 300
gcctgatgaa agatttatac tgcttgggac aagttttaat gattgttaat ttttactttg 360
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atgaagtgtg agtaaataaa aaggttcata tgttattaga actaatcatt ttgatgttat 480
gcatagtgat tactagaata attcccagag tttctttgac agagacgtca cattagttta 540
acttaccaa acagacagaa gaaatagaaa acttgagtag tcctattaag gaaataaaat 600
aattgaatct tttctacaaa gaattattcca gacctagatg gcttcaatgg taaattctgt 660
gaaacattta agaaaaacan annaca 686

<210> 1055

<211> 680

<212> DNA

<213> Homo sapiens

<400> 1055

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tcaagtcctt atgngntccg 680

<210> 1056

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1056

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ccttagcctc cccagtagct gggactacag gcatgcgcca ccacactcgg ctaatttttg 180
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caagtgatct gccacactca gcctcacaaa gtggtaggat tacaggcatg agcccaggag 300
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gagacccctt cacatggctt ctcgtgcttt acagcagtga gctgcatggc ctgcatggct 600
ggtggcactg gntcccactt aagnagcat cactggatca tgaggacagt gtgaacaccc 660

ccacaaaggn cttagcctg ccattcacct tctttccatc tcttttctca acctgcttcg 720
cagnacctgn ttggcttggt tcccattgaa aatcaagcag gtagtcacat agatttcatt 780
aattaacccc aaaataagna tgact 805

<210> 1057

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1057

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ttctgtgcag caggctcctg gcccagggag tgcggtgtgc ggagagtgac gtgcagggaa 180
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gggaagcacc ctctgaaatc gtgcagggaa gcacctgtg aaatcgtgca gggaagcacc 360
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aaattttctc aaaggtcaaa accatcacag tgggcaactt tacaccccag tgttcaactgt 540
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ttcggtgagg tcacctgga ngggagtccc aggaatcagc ctgatgttca gaatgccttt 660
ctggcatctc agaatgtact gggggagact gaggaccttt agcccagtgt cancgcttta 720
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<210> 1058

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1058

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aagttcttgg gttcagtgc agacttgaaa cctgacatgg tticattaga ttgtagaaaa 180
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aagtaganga tgtgcaaaac ctgtagtacc atttaacaga tttttgacct tggttaattat 720
gtcattttga aactggaata aatatgtaat ccgaagggtg atttttctga ccaaaagtaa 780
gtcaaggta aagttttttt aaagnntact ggttggtattc ttgnggggtt ttca 834

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<210> 1059

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1059

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acatattcat gaaaagattg gagggaggaa ttaatttaaat cttatttggg tttgggagag 60
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aagtgaagc tgaaccgagg gtactgtgtt gggagcagag agggctggat aagaaagaca 180
tgacagggcc gggcgcggtg gctcacgcct gtaatcccag cacttgggga ggccgagtgg 240
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tttcaaatga tgtatctcag gggagaaaaa agagactcca tgttttcaaa gtttttgctt 360
tttattattt atttatttat ttttgctttt taaaagcctc tcaacaaact ctccttattc 420

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ccatgtgact gaggatgaaa cagtctcaga ttaaacagac ttctcaaggt cacgcattgt 480
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 acaaaccaaa caaaacaacg cacttcagac tcttttgaa acctttgaaa ggaacttgat 660
 ttctgtgtgc ttgaaagta tatattgcaa tcaaggtatt ggtgggtaag tgtgtttttg 720
 angnttgta caaattaacc aaaattatat gnet 754

<210> 1060

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1060

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 gatgtgaagg tggacactga ggatatggag aagaaaccag agtcattttt cactcaattc 480
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 cacaaaaata gcatcaagti ctttacagga gatgtttttg gctaccatgg atacacattt 600
 gccaatctag ganagcatga gttttagag gagaaaacta aagttgccaa agtttagccaa 660
 ggagtagaag atgggcccga caccnagaga gccaaacttg attcttctga gacaacgatg 720
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<210> 1061

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1061

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ctaagacccc taccacacac ctcaaagtaa cttgaaatac attatgctcc cagtgtggtt   60
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ttcacagaca agccaatttc ttttaagtat tgctctatca gactctgaaa ccagttctac  180
cagaagggtt cttggtaatg aatgttaatg agcagacaag tatcctttct ctgacagagg  240
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ctccagttag gcctgatctt cagtgggaca gtgggaaatg gagtagaaac cactcactct  540
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ataagatagt aaagccataa gaacagcact tgnatgcttt ttgnattcta agaatatgag  720
aaaaataatt caggggaacc tttatctgaa anggatataa ccatgtcctg gatggaatac  780
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786

<210> 1062

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1062

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tgtcgacgcc gctgccaccg cctgcctgag agaagtcgtc gcggccgacc ccgtcgccctc   60
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cggctcggga cggagacgaa accagacaaa ggttcaagtt tacagatgac cgtgtctgca  180
agagtcacct tctggactgc tgcccccatg acatcctggc tgggacgcgc atggatttag  240

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gagaatgtac caaaatccac gacttggccc tccgagcaga ttatgagatt gcaagtaaag 300
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 tgcctgcac cagttttcag cagcaaaagc tgcgtgtctg cgangtctgt cagcctacct 660
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<210> 1063

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1063

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 gcagtcaaca acgagatgaa ggccattgca tagatctcat gcngatagt atggattcag 720
 aaagtagggg ccagtggcgn cactancttc ttgtaagcca gtatacactg gctatttggg 780

g

781

<210> 1064

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1064

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ggcctttttt tttttttttt tttcggagat ggggttttgc tatgttgccc aggctggtct   60
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tacgcaccac catgcccagc ttgtgtgggg tttcccttga agatcagtct caaggttgct  180
gcttgaccgg tgagcagcag gattcagacc tagatgtgtc tgactctggg atcctttcac  240
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tgccctgccc cttttccatc ttggagtttc tgaagcccca gtgggctgtc cactctgtgc  360
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tgctaatagg ggtgtctttg gcaggggaac aaagagcgtt ttggggctgc caggtggctg  480
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ggagccagac gctgctgtgc tgccacgtg gctcttcagc ccctggacgg acgccttggc  660
tggccccagg gcaggctcct cccaagcggc tggattctct tctcttcggg gaagcacaag  720
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<210> 1065

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1065

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tgggtacctg ttgtctgagg ttattgctg tctataacctg tgaaatttac ccagtgtcag 180
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<210> 1066

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1066

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 aacatgatca ctttaaata gaagtgaagta ctgttctggg caggtgaagg gtaaaaggag 180
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gc 722

<210> 1067

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1067

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aacagaagtn aaaccttaca gtggtccgat gagaccacag taggcaagta ctttgggaag 720
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cn 782

<210> 1068

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1068

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<210> 1069

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1069

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aaaaatgcca atattcaatc atcatgcagc attataacaa gccttataag tcctaaagca 180
ttaagttgca cttttttgag gaggggtagt gcagtatttc tctggccagt atgaatgaag 240
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ccttttgtct ctaacttggt tctattttta cagccacaca attcttggca tgtattaaga 480
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 gaaatacatt tgtaaatttt atgcaacaaa tggcaaacgt atcattattt tgaaattgng 660
 tatgtaaaag ttatattttt acatgtagac tcttgggtatt atgnggttta atacattgga 720
 tcagttttgg ttttttttaa aaactgnggg ttaaaaagaa gtctcattta aatgaaatac 780
 ctccagaatc agaatttatg gtcattctga aaatgtanga accant 826

<210> 1070

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1070

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 aattgtattt atacaaatga gtttggttta tattacgcta cttatttaga aggacactct 120
 gtcacaaat tatactagtt tggtagtttc ataaactagc ttgaatcaaa ataaaatggg 180
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 cttgataaat tttagactagg taacagggtc ttttatcaag gactgacatt ttatgtcaca 660
 aaaattttta aaccatttc tgnctcttgg aaaacccaaa gggagcagtg gcatgtgaaa 720
 aattcttggg ttaaaagatt cnaaccatn 749

<210> 1071

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1071

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gtttttgcc a ctgaaagtaa tggcaagacc gcaattactt ttgcaccaac ataaatattt   60
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taagggtgtg agtgctgtat tagttcagca gaggttacct atgtactttt gggggacaga  180
tatcatatag ggaattcatg tcagtacca aacgaagtga ccattacagc ccttttgaaa  240
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gttgattatt atgaattagt ttatgggagt ctcaatatgt gaatatgatg gagacaagtt  360
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gctctagtca ctgtgccaga gcaccaggga ggagagtgtc tgctaccact gacagctgtg  660
tgtcatttag caaattatta acatctcttt ggtaacatgt gacctcaaag aagtcaccta  720
atttctctga gcccagcttc tcactctgggt aaaaatgnct ctttctattt tttangg   777

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<210> 1072

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1072

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ctttttgatt tgaggatgtg ccgtgaacgg aagccaaata ctaatagaca ggacatcctg   60
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tttttgataa gatgattact tggttttttt cctgttaaca aggagacctg gatgatgatg  180
tccatttggc ttttaggact ctttaactagc aaacaactaa gcccctgcaa aatcacatga  240

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agacattgga aaatcttttt atgtaaggca gagatgattt ggtcatagtt cgcaatgaag 300
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 cgaagtictt gaaattaagg atgttaaaat aaaattctga aatctagtat actgtggtat 420
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 cttcaacagc tntggggaga cccttccttg gctntt 696

<210> 1073

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1073

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 tttccgtata tggagaaaag tgattccacc cactccatgc cctggcacgt catgatgcca 180
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 gggtcacaga tttgagctaa aatgggaatc gaagaagtga ctttggcatt tttncatgac 720
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<210> 1074

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1074

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aatgcgaagg gagtgatgtc cagagtgatt ttgcaacag tgacccttgc ccaacccatg   60
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tgcggcggta ccgcacatgt gataaccctc ctccctccaa tgggggaaga gcttgtgggg  180
gaccagactc ccagatccag aggtgcaaca ctgacatgtg tcctgtggat ggaagtggg   240
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caaaggaaat aggagaacag tcaatggctt taccctncca atgcagtcct caaaagagaa  660
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<210> 1075

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1075

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caccctcaga caaaaggcaa acctattcaa gtttttgatt ttgaaaatg tttcaatcag  180
ggaagctctg ggtacatttc atgaagagaa gtgatgaaga tatccctctg acataacaga  240

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aagtggctgt ttagctagga aaatcatcaa ataagtaagt agaaatgcat gcagaaacag 300
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tgctcagacc attatggnca tttcaaagtt ttcatccaat aaatagtttt ttagacacct 720
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<210> 1076

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1076

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acgtgtagaa tcaaaggact gacagcaggt cgaatgtgag gaatgaggga gggaaagaat 180
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aaagataaca atagttactg ctttgtggcg tacatgtgat gaatttcatt ttggacattc 300
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aacttaatga gtacttcaac ttgagtcaaa ttagtatttg tccaaatata ctaatagtat 660
cctctatgtg tgactctagg tcttacaaaa tcaaggtgtc ctttctcatt gagacttncn 720

tattaataaaa atattttcttc tattaaattc aacctggcac caagcattat aggttaattag 780
gcccccccn atgactgg 798

<210> 1077

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1077

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gccacaagca attttggttt atttttcata acagaatcaa agacatcacc aaaaactcca 180
tcccacttct tgcaggggag gaatttggtta ttttcccttg gatcctgttg aacacatgtg 240
gcatcctgcc tgaacccctc ccgcagctgc catgcgatcc agagctccat ccacttgccc 300
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ttggagaaga gtcattccttg gtgatgagac aatcagtatn aaccagangg tctcatttan 720
gggcaatttt gctccccctc ccaaggacat tggacaatgt ctgggtctgg agacat 776

<210> 1078

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1078

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 ggacagccgg gagagggggc cggatctctg gatctccca gcctccagat ctgagtgtgg 180
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 gtggggcgcg catcaagatt tctaacaagc gcagctgaaa acaccaggg ccgttctctg 480
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 atggtgggta cttgaccttc atttgctgtg ggactgtcag ggattccagg gacctactgg 660
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<210> 1079

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1079

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 ctcatatgaat cccaagata atcctaggaa ttatgtccta ttcctatcat ccccatctac 180
 agatgaagaa agtgaggcac agagaggcta ggggtggttc tgaaggcac acagccagga 240
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 agtaaaaccc ggcagtgaac cccagcagt gttcacatcc ctggcacata ctgggcacat 360
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 aattttctc atgcgaaatg gcagggtgtg taacctcttg caacatcatc agggctggag 480
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tagcccgggtg gaggaagca ctgattccct attgccttt ttctggcatt atcagcacca 720
gtgggctttt caaaagatga gttgatataa gcatcctgtc agaaanggtt ccggcctaata 780
aatggaatg nccctttccc tttnta 807

<210> 1080

<211> 716

<212> DNA

<213> Homo sapiens

<400> 1080

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cctcagtctc ctgagtagct gggaccacag gcatgcacca ccatgtccag ctaattgggt 180
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agaaggaagt caggagagtc agtgtcagag tgatgccgtg ggacacagtc tttanggctg 660
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<210> 1081

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1081

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tttaacaggt ttcatttgct tttccccctt aatacatgaa tccttttatg tgtttaacag  180
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<210> 1082

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1082

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ggcagcaaac tctccttccc tctcagtgtc tcacaggcag ccattctaata gctcgttgca  180
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gttatctcca aatccaaaat attcttacta ataactagct taaatctatc tggcagtaat 480
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<210> 1083

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1083

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<210> 1084

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1084

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taagtcattt cactgctgg gttgtgagct cctccaaggc aggggctttg ccttatctgc 480
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caattcanac tttactggtg aatatt 746

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<210> 1085

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1085

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<210> 1086

<211> 701

<212> DNA

<213> Homo sapiens

<400> 1086

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 cctctatatt cattccagag attaagatat tttcaaatca ttaaactggg gctgttatct 180
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<210> 1087

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1087

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tactcattgc ggccgggggc ctccccagc aaacgggttg aaagaggcct gagccccatc  180
cccagtttct gcccctgcta tctccacca ggatccacca gaagatatga agcaggaccg  240
ggacattcag gcagtggcga cctccctcct gccactgaca gaagccaacc tacgcatgtt  300
tcaacgtgcc caggacgacc ttatccctgc tgtggaccgg cagtttgctt gctcctcctg  360
cgaccacgtc tgggtggcgcc gcgtgcccc a gcggaaggag atgtgaccga ctgcagaggc  420
cgcgccgcct cccccgtccg aggtctgcgc gctccgccgc aggggtgcaga cccggggcgc  480
ccgcctgggt ttggggcgca agagcagagg cggagccagg gcggagccag cgcgccgggt  540
ccccctgaa tcgaaagcga aacagggggc ggngaggaaa ggcgganccc ggnccc   596
    
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<210> 1088

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1088

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ttctagagt tagtggcgtc tctactatta ctgccacatc attaggtgtg aataactcaa   60
gtcatagaag aaaaaatggg ctttctacat tagaaagcag cagatttcca gcgagaaaaa  120
gaggaaatct atcttcctta gaacagattt atggtttaga aaattcaaaa gaatatctgt  180
ctgaaaatga accatgggtg gataaatata aaccagaaac tcagcatgaa cttgctgtgc  240
ataaaaagaa aattgaagaa gtcgaaacct ggtaaagc tcaagtttta gaaaggcaac  300
caaacagggt tggatctatt ttattaataa caggctctcc tggatgtgga aagacaacga  360
    
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ccttaaaaat actatcaaag gagcatggta ttcaagtaca agagtggatt aatccagttt 420
 taccagactt ccaaaaagat gatttcaagg ggatgtttta tactgaatca agcttccata 480
 tgtttcccta tcagtctcag atagcagttt tcaaagagtt tctactaaga gcgacaaagt 540
 ataacaagtt acaaatgctt ggagatgac tgagaactga taagaagata attctggttg 600
 aagatttacc taaccagttt tatcgaggatt ctcatcttt acatgaagtt ctaaggaagt 660
 atgtgaggat tggncgatgt cctcttatat ttataatctc ggacagtcct cantggagat 720
 aataatcaaa gggatttggt tncccaagaa attcaggaaa ag 762

<210> 1089

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1089

caagaagatg tgaaaatagt attgtccaaa ctcaagaaaa aaaaagacaa aattatctca 60
 gtggaagact gaattccaag gtgaacaaca ggacaataga ctcaactgaa aatgtaataa 120
 gggacattaa ggagggaat aaaaagccaa gagaataaaa ataatatta gaaaaggtta 180
 aaaagtatct caaaggaact gttagatata gaagataatg aacaaaaatc caatatgtat 240
 atgtacacga tatgtatatg tatgtataac tgaaaaccca aaagaagata aacaaaacaa 300
 tggaacagaa ttaacactta aataagaaaa ctttccaaaa attaaagcag acctttacct 360
 ttgtatttat aggacctact ttgtattcag attgggtcaac tctaagacat attttagtaa 420
 aactattgta ttctaagaaa atttcttcta aacttctggc aaaaaaaaag ccaagtcctt 480
 tacaaggtaa agaaagtcaa gtttgcagct gtttttcagg tattgaggtt atactgaaat 540
 cgttttcagc atgcagaact cagggaatat tataacccca agccattct gaggaattaa 600
 ttagagaaag ctcttcatca aagcaagaga tgatcaattt aagacaaaaa caaagcaagg 660
 gacaagggtg gaatagtgn tgtgtgtatc angctcagtc caatgaaaga gaggaaccac 720
 cccagtaatt tggaaccttn gaaagggtta at 752

<210> 1090

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1090

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catgtgtcac atggcaagag agagggaaca agagatggag aagtaggagt gccacacttt   60
taaataacca gattttggtg aattcagaac aaaaactcat tcattacttt gaagagagcc  120
ccaatccatt catgagggat ctgcctccat gacccaaaca ctcctacca ggccccatct  180
ccaccatggg ggaatcacat ttcaatatga ggtttggagg gacaagcatc caaagtatgt  240
tatcacccat catcttggtt ttcataattt ttttttccca taagtaacac tggtagcttt  300
ttcatatagg atttccggga aaaaaataca gatcatatgc gccagacat tgtagctctt  360
ctgagaagca gcaagaatgc atttatctct gggatgattg gaattgatcc tgtagctggt  420
ttccgatggg caattctccg agcttttttc agagccatgg ttgctttcag ggaagctggg  480
aaaagaaaca ttcacagaaa aactggacat gatgatacag cgccatgtgc aattttgaaa  540
agtatggata gtttttagctt tctccaacac ccagtcacc agaggagctt agagattctg  600
cagagatgca aggaagagaa ntacagtaag gntnccaatc tggtaaactg gtattaccat  660
tttccttttg g                                                    671

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<210> 1091

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1091

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ggcctttttt tttttttttt tcacttttcg ctaaagtcac attccggcag caattttatg   60
ctgtcaaaat gttctcaaca aggggagatt tgactggctt ctctgagaac cagtcatagg  120
aagcttgggc tctgcttctt attgagttct tttttaaaat tttgctgggg gtccggggaa  180
agaaggaaaa aaagcaacaa caataacgag aaacaagtca cccaggcatc ttgtggaggg  240
tggctgctct tttcaggccg gcggccagtc cccgggcgta cagcgtgcgg tgcaacctgc  300

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agctgcgggga cgggtgcatt cacgaggggg gtgtgtgcgc ctgggggtca cccctgctgt 360
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 ggaaaccctc ccagggggccc gggcccaggg tggccacggt gaggaggagg aggaccacat 480
 gcgcagggaa gggcatgggg cacagcatgt gtgtggccca cacaaggcg gtctgctctc 540
 actccccctg ctgctctgta attaagctcg gctgcgcca ctcaggcttc cagaccttc 600
 cctgagccct ccgcccccg ggcccactcc ccgttctccc agccttgctg gctacttcca 660
 ctcccaaag agccttcagg ggccttcttg gcgtgatcaa aacaacaggg ccaccagntt 720
 ctcaagagtc caagctntag tttggcccaa atgtcccgn cccgggggg 769

<210> 1092

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1092

tgtttcacgg cagcctgacc aacatggtga aacttcgtct ctactaaaaa atacaaaaaa 60
 acgaccaggc gcagtggctc atgcctgtaa tcccagcact ttgggaggcc gaggtgagcg 120
 gatcacgagg tcaggagatg gagaccatcc tggctaatat ggtgaaaccc catctctact 180
 aaaaatacaa aaaattacct ggcgtggtgg cgggcgcctg tagtcccagc tactcaggag 240
 gctgaggcag gagaattggt gaaccggga ggcggagggt gcagtgagcc gagatcgtgc 300
 cactgcactc cagcctggtg acagagcgag actacgtctc aaacaacaac aaaaacaaca 360
 aaaaatata aaaaaattag ccggacgtgg tggcggatgc ctgtaatcc agctactcag 420
 gaggctgaga caggaaaatc acttgagtct gggaggcgga ggttgaagt agccaagatc 480
 atgccattgc actatagcct cggtgacaag agcaaaactc tgtctcagaa aaaaaaaaaa 540
 agaaaagcaa agaaaaaaaa ggcacaatat gtaatgctat ttgctaaagt cagcctcttt 600
 atgggtcttt tgttgacttc ttcttagtg gctccacttc ttagaagta atgagcaatt 660
 cctgctatag cagcagagcc tntaccaaag canggggact tcanggaacc actggttgtc 720
 a 721

<210> 1093

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1093

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tttaaagatg tggctaacta gctagtgatg catgaacaat tgtttttagaa acctaccatt   60
gtggtcctgt tggatatctag gaagtttttt catttggttg tggcaactga gtgatctgtt  120
atgtctactt ttcctctctc cctgtccctt ccccatctt cttctctctc tttcttttct  180
cccttttttt cagtcaaggt agacttgaga taggggactt gcatggctat agtagatcat  240
aatacatgag gcccccaaa taagagagtg aaacattgtc tgggatgtat tttctgctcg  300
aactcatcgt catttttctg tgtatttctt acattagccc ccagaaaagc atttttcaaa  360
gactttgaga accaaagggt ctctctgtaa ggaaatgtgt taacctgatt tccttgttct  420
catgtaattt tctctcttaa agccataata atagtgtcag aggcagcttt ctagttagtgt  480
tgagtaatgt ggttactgta ttttctattt ttattttaat gtgcttttcc tgctgtggat  540
tttttttttc tttcttgatt ttaaaaacag cagttgagta aatgtggta tttgaagact  600
ggcgtatatt gcatcttctc tgagatgcaa ttttgaagga aggctctgtg cacaataggc  660
attttttttc agattcctta ntaggataaa tagggagaat gttttggaac acagatcaag  720
tggncaatat tgggttaatg ggncatggga agg                                     753

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<210> 1094

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1094

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ggcctttttt tttttttttt ttttttagctg agagcagtag ctcacacctg taatcagccc   60
tttaggaggc tgaggcaggt ggattgcttg atcccaggag tttgagacta gcctgggcta  120
catggcaaaa ccccatctcc actaaaaata caaaaattag ccaagcttga tggtgggtcta  180

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tagtcccatc ctctttggag gctgcagtgg gaggattgct tgagcccagg aggtgaaggc 240
 tgcagtgagc tgagatcaca ccaactgcact ccagcctggg tgacagagcg agaattctgtc 300
 tcaaaaaaaaa aaaaaaaaaag taatttttta atattaggaa ttagagtgtg gtgggtcatca 360
 gttcatggct gacagaaaca gcacttcctg ctctttgcaa ttagttctt ataattggaca 420
 antcttgttt caaatgctgc ctctttggta ttctgtgtac aatggaaatg ggggttggat 480
 tagatgctct ctaaagatgg tctgagctct aaaagttttc ttcttgga gcagcagttt 540
 ccctggataa aggacctttt tctgagcat gtggctctgt ctcaagca gccctctcc 600
 ctggttcccc agtagagctt ccaggctcan atgaataggg ccactggctt tgctctacat 660
 agaggnccta aataatttaa gnggcttaaa agcc 694

<210> 1095

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1095

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 attggttgct tattctttgg ggtcacccaa gatggcagca ctgaaggcca catggctggg 120
 gttttctata ccttgggatt acatgttata caaaacagct gactgacaat gcagaatgag 180
 ggaagggaca cctccaaatt ccttcagcct cccaaagtgc tgggattaca ggcatgaccc 240
 accgctcccc gccttgtttt ccgtttaaag tcgtcttctt ttaattgtaat cattttgaac 300
 atgtgtgaaa gttgatcata cgaattggat caatcttgaa atactcaacc aaaagacagt 360
 cgagaagcca gggggagaaa gaactcaggg cacaaaatat tgggccgaga atggaattct 420
 ctgtaagcct agttgctgaa atttcctgct gtaaccagaa gccagtttta tctaaccgct 480
 actgaaacac ccaactgtgtt ttgctcactc cctcactcac cgatcaaaac ctgctacctc 540
 cccaagactt tactagtgcc gataaacttt ctcaaagagc aaccagtatc acttcctgt 600
 ttataaaacc tctaaccatc tctttgntct ttgaacatgc tgaaaaccac ctggtctgca 660
 tgtatgcccc aatttgtaat tcttttctct caaatgaaaa tttaatttta gggattcatt 720
 tctatatttt cacatatgta gtattattat ttcttatat gtgtaagggtg aatttatggn 780

atttgantgg tccagaaaat atnttttttaa agcttttcatt ttttccccag tggatgatta 840
aaatttttat gtaa 854

<210> 1096

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1096

atgatgtgat taatcttact tgtgttacca tagacatttt cctgacaaat gctccagcgg 60
aagaagcaca taaccaatca gcagttgaaa ctccccccct tttgatgtag aggtcccttt 120
acaacacata atctcagtgt ttctatgtgt agaacaaact tcttaatttc tatataagca 180
gttagatagg cccagaggt ccatgtgtgc tccttttttt tccctaaggc taaaagtgtg 240
aggcagccat ttgttgcata ctattccttc aatatttttag tgaaagcaca cttcataccc 300
aatctttatt atcactatca gcctgtcagt aatcaaata atagctacta aatgaagagt 360
tgtaactact tagtattaac accataagaa aggaaaacaa tattgatgtc tgacatgttt 420
aaggatgctt aacagggaaa attaaggaga ctggcccatt aattatggga taaaataata 480
ataatcaaac atcttaacta gtttatcaag tcacacttac aagcctctta ctaatttact 540
cctgtactga aatgaacata cggtaaaatt caagagaaac tgaggttcaa aataaatttt 600
acttctgagc ttggaataca agagagtaac agactgctgt cctaattata ataccttttt 660
gacacattgg tatagtcctt gccacctctg aataaactgc catttctacg taattgggtg 720
tcattcttat caatcctttt tgaagtagat gagaaatttt taaaattgg gaananangg 780
aagtgtggct g 791

<210> 1097

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1097

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cggatttctc ctcttagacc actcattcaa actctgatgt ccctcctggt ttagggaaga   60
ttacttggtta ccaaaagttg gctttggatc acatgtcttg gtaaatagtg ataagaaatg  120
aatttgattt tccttttctt ggaaaccact acttttaaaa gggctcggcc tttccctttg  180
aagaatttcg ggcaccctca gcacttcctg tgcacctgag cgggaggaat ggagtgaggt  240
gactctgttt gaaggatgac agagttaagg aaaagcagaa gccacagttg attgaagtga  300
ttttccagaa tttcatctgc aaagtcacca ttcttgatg tgcttggaag atggatcttc  360
cgtgtgaatt taggctgagc ttggaggagt ataaatcaag ggcttaaggt tttattatat  420
tctcaaagca caggatttct gcatgggtgt gcagtgaagt tcctccttcc cagtgagcac  480
cctcgttcac cttttgtcct ctgggccccca ctgtgttta cagtacatgt ttgtaaaaca  540
gagagtgacc tctaacacca agtctagtaa gaggcagtgc cactgtgtat gttacacagt  600
gtgaggcaaa aggaggagta gcgcgcgcac agaaacgccg tattcaagcc ttggcagcac  660
accacggcag taaagctagc ggacccgtcc ctgggggtgcc tttaaaccgc nctgcattca  720
cacttgcgnc tttattggct tgnggca                                         747

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<210> 1098

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1098

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gaaagtttgt caatttggtt tcactataag gcatcaatgg cagaaactac atatgagtaa   60
ttttcaaaat agaccattgc ttaaattgtt aaatgaagct aaaacaagta tgaaccatt  120
ggttagagtg cagtggcttc tttcaggcag acagcagatg ctctcagatt tgggtggtgag  180
ttttggcctt ggcatggttg gcatggagtc agcacaggaa gccgggaggt atgaaggggc  240
atccacctgg gtgaaactgt cttgccaagc caaagccccg aggcctgccc tgaagcagct  300
gtagtggagg agaggcctgg gattccttag agtcaccttt ttacgaatgt accgccactc  360
tgtagctca caaggaaaat aaggaaaagc caggcctccc acctcttgac tcttgtgaga  420
gtgaagacaa catggggcat ttagaaaata tatttttagt gtatgataat gtgggctggc  480

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ccacacagca atgagcccaa agacccccctc gctttgggaa ttattcatgg ccctgctcat 540
cacagcctct gatatgcatg actgtaacct aggctgagcc aagaatggag ctcatgccag 600
aatggtcct aagcatgcac atggccccctt ggaatatcaa aatcctgggg agaaagaaat 660
catctttgcc ttggcagtga agctggaatg gcacatatct atctggtgcc acatcttctg 720
cctagtggag aaccctggaa ggcaacagac acttgagcaa gcacnaggaa ggaaaatgtc 780
ctggaaaggc agggactntt acccaagncc ctacattccc agact 825

<210> 1099

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1099

atgatcttta tttcaagctt ttatagccct ttcaagttgc tctaggggac ttagcaaaac 60
aggtagacag taagtatgga tcaactgagc acaggaaaga atgggatttg ggaagatcac 120
attgtttgga ttttctgctg atactaaagc tggattttta ctacacaggc agggagaaat 180
tactgtcctg tgggtggacct ggtgagagag gtggcatatg actaagcaag tcagctgacc 240
tcaattaaag ggctgtgacc aactgtacaa tgggaccagt acctcctcca actgttggtc 300
tcagctgagt gagattccca tgtctgagga ggtgatcagg ggtgatgatg acttttgatg 360
gaactgacct cacacagggt tctgggggaa aaaaccacc aaactttatt ttaagaattc 420
taaaacaatt ttacaattct gatttgagta gaagtttgat ttgaaaaggg acttcatctg 480
caccttctct cttgcctttg tttatagatg tcagtaatgc ccgtatttta aaaagttgaa 540
atgagttata aattatatct taaggatttt agtttgtttt gaagaattgn ttaattggct 600
aggatttctn ccccttcag tagcttcaga tccaatggc taggcaatat ggagataata 660
gtaaacagga ttttgtaaga natggtattt atttatttat ttttaaatan agataaggct 720
ttgctatgtt gccagccgg cttgactcct gggttcan 758

<210> 1100

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1100

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ggcctttttt tttttttttt ttgacagtt acagcaaata tttattgagc atttgccata 60
ttccaggaac atgggtatatt gcatataata atgtatttaa tcttcacacc tatectatga 120
ggtaggtacc attattattc ccattttgca ggtgaggaaa ctgagacaca gaacgggtcaa 180
gtaacttgcc caaagtcaca agcttgcaag tggcagaact gggatttgaa ccctacactc 240
ttaaccaatg ctaccctccc ttccaagaaa aataggaaaa ggacatgaac agatgaggaa 300
atgcaaattg attttaaact cacagtaaga tacccaattc cacaaaacat attgtatttc 360
agtgtattga agctatacgt ttttactttt tttttgtttt ttttttgaga cagagtctcg 420
ctgtgtcgcc caggctggag ttcagtggcg cgatctcagt tcaactgcaac ctccgcctnc 480
tgggttcaag caattctccc gcctcancct cccaagtagc tgggattaca ggcacccgnc 540
accacaccca g 551

```

<210> 1101

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1101

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aaaaaaaaaa aaagtgatca ggcaaagaac tgaaaggaga gagaatgagg aaaacaaaaa 60
ctattataag tttcaaggta tgaaaagact ttataatcaa ggtcttctaa ccagatattc 120
ctaattagat ttttttaatt ttccatatct ttaagaaata tttttcagtt tgtgacagga 180
aatagaccct ttagcttggc ccaaggctac taggcactgg ccaagcataa aaggcatagc 240
tctactctgc tccatttagc ttgtttcttt atccttggct ctgtcattta tcacaatttg 300
gaattgtcaa catgagcctg aacactaaaa aaaattctgc taacaaaggc actgtgtttt 360
ccatgcctga gtcaaccac tgccctttcc taaatgcaa agatggggaa atgggatgga 420
atttcctgga ttactacttg tacttaaacc tgagtaagtt ttgaatttgg aagacacatt 480

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ccagccagag aggggtggatt ttggacccat gticgagtgt atcagccacc cagattgggt 540
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 acttccgtat ggtttaatta atagacctgc cttggctcat cttgacttac agagctgggg 660
 ttctatattc tagccctgtt ctccccagtt aacagtcctc agaggaagaa acgagtccat 720
 aaggcagaat ttaaaagctg tgtacaaatt taacattttt acccatggca agacatctag 780
 agtaactgga attaattgac tggctttgct tttggccaag gcangacacn ntt 833

<210> 1102

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1102

taaaaaaaaa aaccttgtgg caaatcactt tgcaaagcag acttacttta taaatatggt 60
 gcccttttgt tttaaagcca gattttaaag tacggcttga aaataggta tatttcagaa 120
 gttagtttag atgaggtatt tggaacttgg aaagaatttt acaggtaagt atcagtaatt 180
 cgtcttatgg gtaaacgtg catccatcta gaattagtat gttttaaaag aagaatcatg 240
 aaaataaaaa ttaaagtttt cagtgaagta gaaaaggtaa ttcagacgat tagaattatc 300
 cttaagattt caagtaatat ataggtaatg agaaatgaaa ctgtttgaaa aataaataga 360
 aatgatagga attttgaatt atcagaagtt gggagtactt ttacatttcc tgcttaataa 420
 aatgggcctg agttacacaa aatatttcag cttagtcaaa tttttgctag gttgggaatt 480
 ataatctctg taaatggggc ctttgtgtca gcaagagctt aagacgtaaa agctcctctg 540
 ttccttgtaa taaccgagcg gggcaggttc tggccttacc tccattttac acctgaggaa 600
 actgaggcac agagggtccag acctggcaa ggtcatgctg ntcctgagct cgggtttgaa 660
 gccagctggt ggagtcacag gtgtgtgctc ccacgctctt actggcacct tcactcttaa 720
 tgggtgangg atggaaaata nggctccagt gctggatgan taagcctgat a 771

<210> 1103

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1103

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taagtatatg aaaagatgct catatgtcat cagggaatta caaatTTaaa acaatgacat   60
accactacac acctattaga tgggcccaaa cccaaaagat tgacaacatt aaatactggc  120
ataaatatgg agcaacagga actctcattc attgatggTg ggaatgcaaa atagtatagc  180
cactttggaa gacagtttgg cagtttccta ccaaagcaaa catactTTtta ccatgtgac  240
cagccatcat gtccttggc atttacgtaa atgaaatgaa atcttatgtc tacacaaaaa  300
cctgtacata gatatttaca gcagatttat tcataactgc caaaatttgg aagcaaccaa  360
gatgctcttc agtaggtgaa tggataaaact gtgggtcatc cagacaatgg atattattca  420
tcactaaaaa gaaatgagct atcaaggcat aaaaagacct accagaaact taaattgcat  480
attattaagt gcaagaagcc tatatgaaaa gataacatac tatatgattt caactagata  540
acattttaga aaaggcaaaa ctatggagac agtaaaaaga tcactggttg ccaggggtca  600
gtgtggaggg aaggatgaat aggtagagca caggggatat tttgggcagt gaaactattc  660
cttatgatac tacaatcata gatgcatgtc attatcattt gccc aaacc acagaatgcc  720
caacaccaag gaatgaaccc ntaatgggga acctatngga aattnggg                768

```

<210> 1104

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1104

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cgctTTaaac atTTtatctt ctttacgtaa ggaccaacct tctggttgag ttagttgcaa   60
gacaaaacaa acaaaaacaa aaacaaaaaa aacacaaaac attgtccaga agtataaaag  120
agtgaagac aagagaaaga gaggagtaac aaaacctggt tatttaatat aatagccagg  180
gtattctaaa tggatatgtt tgtcatacca actgatattc caagccaatt gggTgatgcc  240
agtggTgggg ggcggTgggg ggagggcgtg tggaggggga agcgagaggt gggcactactg  300

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agtgcttaag aaacgtacag aanaanaata agn

333

<210> 1105

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1105

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tgctgagcaa tcattttatg attaggagtc cctaaaaggc ccatagagcc aactataagt  660
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<210> 1106

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1106

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<210> 1107

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1107

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 cctttttgtg gctaatagta ccatgttttt cacactttta tgttttttat tgggtgatttt 180
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 gttgtagcca gaggttcaca ggaacctaat cctgtatttc ccctaggagc aatagttcag 480
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<210> 1108

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1108

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 gctgtgaaga tctctcacat gcccttgaga cattttctgg ggagaaattc aagctagctg 180
 cagaaattag cataagtaat gaggagctga atgttaatcc ccaaaacaat ggggaaaatg 240
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 ggaggaaaag atgatttcat gggccaggcc ctgggctctc ctgctctgtg cagactgcag 360
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<210> 1109

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1109

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<210> 1110

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1110

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 tattctgcaa accaaacact ttagtaaaac tctctacttc tagaaatggg ttaacattat 720
 tggnggggtt tcacaatccc cttaaacttt ganagccctc ttgggaagtg aaaatnct 778

<210> 1111

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1111

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ggagtttcta tttacttggt attaaacaag ttcaaagatg tttttttttt cttttaatga  660
ttancttttt cttactgntt caaatttggt aaaagtgttc tatgagatat tattttatta  720
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735

<210> 1112

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1112

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<210> 1113

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1113

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 ttatataatg gccagccag gtttcatcct tgatatcctg gcaactgtag tttatattaa 180
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agaatgtant gacactgca

679

<210> 1114

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1114

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agaattgatg acttagacaa taccgatttc tttttttatt gttattatac ttttaagtct 180
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<210> 1115

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1115

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 ccctcttcta tgacattaca ttcacacaga caaaactaaa ccaaacaaa acaataaaaa 780
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<210> 1116

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1116

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<210> 1117

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1117

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<210> 1118

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1118

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<210> 1119

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1119

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<210> 1120

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1120

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 aaaagctcac ttccnacatg ttgacagggg aaagccctta cacgggggtc ccagaatctg 840
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<210> 1121

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1121

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<210> 1122

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1122

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 gctgaataac cttcatgcac ttatggcagt ggtttctggc ctacagagtg ccccaatttt 720
 cangttgact aaaacattgg gcgttattaa gtcgaaaaga caaaactacc tttgaaaaat 780
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<210> 1123

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1123

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<210> 1124

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1124

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gtagttgagt caactgggta atgaacatta catatttttc tatactattc tctgttgtgt 180
atatttgaaa atctccataa taaaaaccct tttaaaaagt caatccagaa agtggaagc 240
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ggtgcactgt acctgcagga gtagaaagc cgtgcactgt acctgcagga gtagaaagc 660
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<210> 1125

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1125

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atttattatt attatititit aagacgagtc tcactttgtc acctaggcta gagtgcagtg 180
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<210> 1126

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1126

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caactititg tattititagt agagacgggg ttccactgtg ttggccagga tggctccat 240
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 caaatatgtt taaaatttaa gtttttncaa aaaatcaaag cactgnacac taaaaatnga 780
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<210> 1127

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1127

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 tgctttattt gcatggagaa caaggaactc aaatgagaga tccaggnatc cttggtttca 840

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861

<210> 1128

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1128

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taataaccag cattactata tctgggcttt aatactatgn gcatgcaccc attatgtatt 780
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<210> 1129

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1129

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 catactctaa tatcaaccac acaattggac ataaaacaat cctcagaaaa tgcaaaagaa 720
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 aatcacttca aaaccatacc attattttgg aaattaacca anctacttct ggatgacttt 840
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<210> 1130

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1130

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 cagggtgtgca gactcaggat tggggcttgc tttgaggcag agctgagaga gaagaaaaat 660
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 accanaagga gttctcttgg aacttttctc tggcttcaact cactgnacag ttaatgagaa 780
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<210> 1131

<211> 644

<212> DNA

<213> Homo sapiens

<400> 1131

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 caaggcaggc ggattatttg aggtcaggag ttcaagccca gcttggccaa catggtgaaa 540
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<210> 1132

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1132

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tctgcgcagc cgcaggcacg gggcactgga cagagagtag gatcccagac cacctctgga 180
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nagc 604

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<210> 1133

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1133

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aatgatcata tagacactga taaataatag tcaactttat tactgtgggtt caaaccaagt 180
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gagtttttgt ggacatacac tctttatttg aaaagtatga aatataatcc aagaaagcca 480

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<210> 1134

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1134

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 aagaaattgt attctgcaa caagaagatt tggctgacca tgagaatgat ttttttcccta 180
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 aacatgctct gttttttcta ctcttgcatc accttggtct ttctgttctc ctccattcat 420
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<210> 1135

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1135

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gggcatg 727
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<210> 1136

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1136

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<210> 1137

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1137

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<210> 1138

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1138

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 actataaaaa tcattatgaa ctcacaaatc ccattgtaat tcttatttta ttgaagctcc 360
 aatttcccat cattggccaa tgaaaaactc ttcaagttgg ctctgaatc ttttggaat 420
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 tctgtttct ttcctgtccc atacaggag taagcaaaat ctataagaac ctctgatttc 540
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 actgggttgg ccattatttc tggacttttt tagtttatag aactaggga aatatactt 660
 tttaatatta tatttatcat atccttttcc acactgagaa tcatgggtct caaangcact 720
 angcaatgat agaattaaat atacncaat tctcatttgc tttatcatcc aaatcccccc 780
 acaagctcag aataatattc caatactggc atcatcaatt atgaatatgg gaagctgtga 840
 acaactggtt ttaaaacnga gacca 865

<210> 1139

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1139

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attttttttt ttcctctgtg ctcttagtgc tattattgta agttcttagc tggttccctc   60
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ttttgacagt gaatgttgag aaagcatatg catgtgacag ggcggatttg ttagaagcag  180
tggaagggtg agtactaaac tgggtgttta aaatgcaagc ttcagctggg cacagtggct  240
cacacctgta atcccagcac tttgggaggc agaggcgggt agatcacctg aggtcaggag  300
ttcaagacca gcctggccaa catggtgaaa cccctctct actaaaatac aaaaaagta  360
gctgggcatg gtggtgcatg cctataatcc cagctacttg agaggctgag gcaggagaat  420
cgcttgaacc cgggaggctg aagttgcagt gagccaagat cgtgccacta cactccagcc  480
tgggggcana nna                                     493

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<210> 1140

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1140

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atttggccag tgggtggcgg ttgccacagc tggtttaggg ccccgaccac tggggcccct   60
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gacgtgattc cctgggacgg tccgtttcct gccgtcagct gccggccgag ttgggtctcc  180
gtggttcagg ccggctcccc ctctctggtc tcccttctcc cgctgggccg gtttatcggg  240
aggagattgt ctccagggc tagcaattgg acttttgatg atgtttgacc cagcggcagg  300
aatagcaggc aacgtgattt caaagctggg ctccagcctt gtttcttctc tcgtgtaatc  360
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tgacacggaa atgggagaaa ctcccaggca ggaacacctt ttgctgtgat ggccgcgtca  480
tgatggcccg gcaaaagggc attttctacc tgaccctttt cctcatcctg gggacatgta  540

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cactcttctt cgcctttgan tgccgctacc tgctgttcag ctgtctcctg ccatccctgt 600
 atttgctgcc acgctcttct tttctccatg gctacactgt tgangaccag cttcagtgac 660
 cctggagtaa ttcctcgggc gctaccagat gaacancitt catanaaatg gagatagaag 720
 ctccaatggt gc 732

<210> 1141

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1141

gtatattctg cagagataac caagtaaag acatacagat agtcaatggc tctgagtggc 60
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 ccagcatttt taatcttttag actaataaca ccaggtagac acaaagctat tcctggaaca 180
 ttgctttatt atagatagga attccataac caattacctc ctatttgcta gaacacacta 240
 acacaaatac ataaaaaata cagactaaac tataatagaa ggcagttttc tctgggtgttt 300
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 atgttatatc tgagttatac taataactat gaaattacca ggtgtctctg cttgagtagt 420
 tggaattaat ttttttgcct cataactctg gagacttctc agaaagtgtg gctaaagggt 480
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 cccaaactat gtgtcctcag tattgtggga agaaccact tcatgatttc taaccagggt 660
 agcctctgga agtcaaata ttgctgtaaa attatgaaca gagcagcatc aggctttgct 720
 ctgatgtatc ttatgaagcc tttctacttn caaatgaaga ctatgaagag aaccttggaa 780
 caatgccctt ctggggagct cattcagcaa ggcatactctg anggcataatc tgggtccctc 840
 ttacgcatgg aggaatcntg ngg 863

<210> 1142

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1142

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aagggactga tggcctgggtt ggcgctgctg agaactgtcg ggagcttctt gagaccgagg 60
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gaggggaagga cggggcctgg cccccgggac tccctgtgcc ttgcttggag ctgacgccga 180
cggtttattg cagggaactg acaagatcac attttgagaa gaagttggaa agaatcccaa 240
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tgagtccatt taagtcccag gacggtggaa actagctagt agattgcagc catgttgtgg 360
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ccaaaataca gacctttctt agcatgcttc acctatacaa ctgataaaca gtcgagcaaa 480
gaaaatacaa gaacagtgga aaagctctat aaatgttcag ttgacattag gaaaattcgt 540
agattaaaag gatgggtact tttagaggat gaaacctatg ttgaagaaat tgcgaatatt 600
ttacaagaac tagtgccga tgagactgct gtagccagta ttttgaacg ctgccggaag 660
caattgtctg tagtccaacc gctgttaaca cccagagaaa actctggcag ttggtctgca 720
aaaatgagga agagttaatc aaagttaata ngagcanttt ncagaatctt tctttactat 780
taaagacc 788

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<210> 1143

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1143

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cagtaatatg attgtccata gagatatcaa aggcgcaa atcctgcgag attcaacagg 60
caacgtcaaa ctaggagatt ttggggccag caaacggctt cagaccatct gtctctcagg 120
gacaggaatg aagtctgtca cgggcacacc atactggatg agccctgaag tcatcagtgg 180
agaaggctat ggaagaaaag cagacatctg gagtgttgca tgtactgtgg tagaaatgct 240

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aactgaaaag ccgccttggg ctgaatttga agcaatggct gccatcttta aaatcgccac 300
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 acggattttt gtagaggcca aactgagacc ttcagctgat gaactcttaa ggcacatggt 420
 tgtgcattat cactagcagc cagtaacctc tcctgtgcct ctacctagct cccatctatt 480
 cattcacctt ctctctgact gcacttttct tttttataaa aaaagagaga tgggggagaa 540
 aaaagacaag agggaaagta tttctcttga ttcttgggta aatttggtta ataataataa 600
 tatectaaat tttttatatt taatcttttt ttcctttaca agaacttgaa gttttttttt 660
 taatttttat aatgtactga tgtggttcag agagataaag cacttttagta catagtcact 720
 ctttttagta caaacaatc atttggaat acctaaagat tgtagagnca ttncctttat 780
 cactgacaca ttagtgacca tngggaagac c 811

<210> 1144

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1144

caccgattta tgggtctgac atcagtggct ccttgtttga tgaaaacact aaacaatgga 60
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 aaggcgtcaa tacaccctac ttgtactttg gcatgtggaa aaccacgttt gcttggcata 180
 cagaggacat ggacctttac agcatcaact acctgcacct tggggagccc aaaacttggt 240
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 gcagttcccg gggttgtggg gccttcctgc ggcacaaggt ggccctcatc tcgcctacag 360
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 tgacctttcc ctatggctac catgctggct tcaacatgg tttcaactgc gcagaggcca 480
 tcaattttgc cactccgga tggattgatt atggcaaaat ggccctcccag tgtagctgtg 540
 gggaggcaag ggtgacctt tccatggatg ccttcgtgcg catcctgcaa cctgaacgct 600
 atgacctgtg gaaacgtggg caagaccggg cagttgtgga ccacatggag cccagggtac 660
 cagccagcca agaactgagc acccagaagg aagtccagtt acccaggana gcaacgctgg 720

gcctgagaca actnccttcc actgggcccg gnattccctt gg

762

<210> 1145

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1145

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ggcctttttt tttttttttt ttaggagatg gagtgtccct ctgtcgccca ggctggagtg   60
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ctcagcctcc cgagtagctg ggactacagg tgcattgccg cagccccagc taatttttgt  180
attttttagt agagtcaggg ttctactgtg ttgccaggc tggctctgaa ctcccagct  240
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cccggctgag agtcctcatt tctaataagt tcccagggtg tagcaatgct cctgggtctgg  360
ggaccacatt ttgagtagca atgagataca tctgtgctgt ccaataggca gccactagcc  420
acatgaggca atttaaattc tcaattaatt aaaatagaaa attcagctct tcagtcacac  480
aagacacatt tcaagtactc cacaactaac tgtggctagt ggccaatata gaacacgtat  540
agatgtttat agacacctat agacatttac agaatataga acattttcat tatcacagaa  600
agttctgctg gacaccacca cttttatcat tccatcatta aagagtatgt aaatcttgta  660
agaggggtcaa gttcaaagca gggatatcag cgattgcctn ttaaccttat aaggagnnta  720
cttgggactc ttaagtgatg gctgangact gatctaaaag tga                        763
    
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<210> 1146

<211> 878

<212> DNA

<213> Homo sapiens

<400> 1146

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aagatgctaa gatcatagaa gcaagaagat gctagttaag tattattaag taaataagga   60
    
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ttccagccac tagtatttct agctgggtga gactgataat actacttaaa aagaaaacaa 120
 atatgtcaca ttcgtagtaa ctgtcgtgtt tagaccttga tgcaacagag tagtaaataa 180
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 tcaatatcat gaattttaa ttattgtgaa aaaacaccag tgtttggttg ctgaagtta 360
 catcagcatt ggatgtgaag aaaggggtcc gataaccaa aagtataaac aacatagttc 420
 cagcattgtt aatataccaa gagaacaaat tcttttcaat acttagtgaa cagtatgcaa 480
 attcatcctg ttcgttacga gtttaggttg tctatttatt aacatttcct ttggggacta 540
 ttataaagtg aatataacac aagtgcattg ttgtaaaaac attcagtaaa tttaatgatt 600
 aatgcaacaa ttgagactgg gattcagggg aattccagtg attctaaaat gccatcaatt 660
 agaataatca acattttgaa gataatagtt tttctgagaa gtgtgggata gaacccttat 720
 tttaaatgga cggttatctt aagacatcca gttaaaatag gaaaaaatta acatctagaa 780
 tctaattaat gagggttact ctaagattgg ttaaaaatat gccctttaa atctattggc 840
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<210> 1147

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1147

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 aaccgatcgg agctccagca gccgggaaca gctggcattt cagtagaacc atggaggagc 180
 tggttcatga ccttgtctca gcattggaag agagctcaga gcaagctcga ggtggatttg 240
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 ggagagggag aaaacggagg tcgtataatg tgcatcacc gtgggagact ggtcactgct 360
 taagtgaagg ctctgattct agtttagaag aaccaagcaa ggactataga gagaatcaca 420
 ataataataa aaaagatcac agtgactctg atgaccaaatt gttagtagca aagcgcaggc 480

cgatcatcaaa cttaaataat aatgttcgag ggaaaagacc tctatggcat gagtctgatt 540
 ttgctgtgga caatgttggg aatagaactc tgcgcaggag gagaaaggta aaacgcatgg 600
 cagtagatct ccacaggaca tctctaaca acggacaatg acccagccac ctganggttg 660
 tagagatcag gacatggaca gtgatagagc ctaccagtat caagaattta ccaagaacca 720
 agtcnaaaaa agaaagttga aaataatcag accagggacc aaaaatncca gatgaaggag 780
 tagttttaga aagtgaggaa accaaccgga nccatta 817

<210> 1148

<211> 651

<212> DNA

<213> Homo sapiens

<400> 1148

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 ttagagaaga gtatgggtgt gatatgggag gttggattag ccgactaaac tttgaagttt 180
 gcaacttttag cagatgttgg gatagaagtt aacacagtag ttcaaattga tttcgcactt 240
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 cacctgaaca atgttcacat cattttacca tggagaagag attagtgtt ttatttgtct 480
 aacactctgg tcagngaaat taaagtatct ccgtgtgaaa cagcatgcaa aaggctttgg 540
 ttctaataatt ttaacaaat ccctttagat cggttggaat taaacaaata cctanggan 600
 tgtggactta cctgaagtct tttgacattt tatgaanttc tggtaaacct a 651

<210> 1149

<211> 699

<212> DNA

<213> Homo sapiens

<400> 1149

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gttatgtaca agatggcttt ggtgtaggt caactgattg tgttctgatt atttagaaat 120
tagtaatcac tgtactataa ggcaatttgg cagaaatggg aaaggttgag ttagccagat 180
cttcccattc cgcattcaca atccaaacaa tatgaactcc aatcaaattc tgattttata 240
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taatccacaa actttatgtc cgtagaatag gaagtattta gtaagcagct agctgctaga 600
agggattttg nttgttttaa aaaaaaagaa aaagtctgtc ttgacattg gttatatcta 660
ggntttatca tnccgtgtaa agggttctta agttccttg 699

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<210> 1150

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1150

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ctttacttct ctgagcctct gttagctcat ctgtaaattg ggactttctt ctgccccaga 60
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ctggcacaca acagattctc agtctatatg ccatgtcatt cctgcctatc attgttcttg 180
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tttacctatt tctcaacctc agtgtaaaat ataagaatgc aaaaaagggt agctattaga 360
tgatagaact caaacgatgg taatactaaa ctgttaaggg ttcacacaga ggtttaaattg 420
cacataccat tgggtacagc tgtttcgctt cagagaactt atcctgtagg tatagttaga 480

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catgcatgca aagacccaca taaaaggatg ttcattgaaa cataattata atagcaaaaa 540
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 tatccacata gaggaatatt acgcaacttg ggaaaacttg agatagatcc aagctatatt 660
 ggtcagttaa aactcagaga gcaaaattat gtgtgtaata tgccaagatt ttcaacaaat 720
 tcctggttgg gggagaaaaan ctgtantagg agacaagaaa aaccgggtt tanggtatat 780
 ggccacttgg attc 794

<210> 1151

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1151

gaagaatgtg ataaaggaca tgatgattag agaaaaatgt tgtttcaatg ttaaattgtgc 60
 tgaagctgat aatactgtgg ttttataaga gaataaccat attcttagga aataatctaa 120
 gaagtgttta agaataaagg accatgattc tactgtgtat tggttcaaaa aaagattgtg 180
 tgtgtgtgtg tgtgtgtgtg tgtagaaaga ggtaataaaa gcaaacagta aaatgggtatc 240
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 gactgttgtg taaggtttaa attatttcca aataaaaatt ttaaacaatt tttaaagttt 360
 aaaaagttaa aatatagcac atctcaagaa tttcttagt caaccaatta taacagacca 420
 tactctagga tcatcagttt tggattatct ctttgattt gttgatgaag cactaaactg 480
 aaagcaatag gaaattttct ttatagctgt agtttctacc tattgaaggc cattagcttc 540
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 attttcactt gtacttctag ctagatgaaa gagagaaagt ggccatgtgc cgtggctcac 660
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<210> 1152

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1152

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ctggtatttg tagtgacacc tgggagccac agatttgctt agcaaccttt ctccagggtg 180
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ctaateccat ctggttgggc atctgcctg tctggaaaac aggtcccga gccatgcaca 720
ccaagcttct aaggaaggca naaaagcact tcccgacttt aacaaagaca tgttgaagg 780
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<210> 1153

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1153

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agggcagtaa tggatatattg gagttggcac ttccctcagc tagaggagtc tcagtgtgtc 180
tgagaaaatg gcagtcagcc atccaggatt ttaggagcaa cgccactgct ctgtgccaca 240
tcagaaatca ggcatggccc caacctgaag gaactttag cttaatgggg aagcacacca 300

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agaataaaag agcctccaga acatgtggtg cctgtggtcc tgagacagca ggaaatggct 360
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 cttgcttggg gatgttgaga cagctgcact ctgcatagtt cctgatttgc ctctctactg 540
 ctgatgaaaa acctctcttt ctctatagct gctgcttata ttggaaggct tttggttatt 600
 cagcacactc actcctgagc ttatttcagt gatattcctt ggttatttcg aaacatggat 660
 gcttgtggca gatggagagc ctgggtgtca cagatctgnc tgggtttgaa atgcatacca 720
 tgttgnccgt tggttgattg attgacttgg accacgaaag aaaantttac tgacagcttt 780
 caaggtaggg ggcaattgta gcttnttgc aaatgttgcc 820

<210> 1154

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1154

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 gataaaaatt gtcattatat agtgataaag gggtaagta atcaaaagga tatgacaact 180
 ttatttcaga catttagaga gaaggatgta acaactgtaa atatatacac cccaacact 240
 ggagctccta aatatatgaa gcaaatacta acagatctga agagaaagac agattgcaat 300
 atgataatag caggagaatt tcaaacccta ttttcaataa tgaacagatc atccagacaa 360
 aaaatcaata aggaaacatt ggacttgaac tacacattag accatgggtg tccaatcttt 420
 tggcttcctt gggcaacatt ggaagaagaa gaattgtctt gagccacata taaaatacac 480
 taacaatagc tgataagcta aaagaaaaaa aaatctcata atgttttgag aaagtttacg 540
 aatttgtgtt gggtcacatt caaagccatc ctgggccgca thtagcccat gggccatggg 600
 ttggacaagc ttgtttttaga ccaaatggac ctgaatgaca tatataggac aatatatcca 660
 accccactaa aatacacatt cctctcaagt atacacacag aacatattcc agaatagata 720
 tgtaggcca caaaacaagt ctttaaaaat gtagtcnnn 760

<210> 1155

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1155

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aaatggatat acaacataat cagactttgt gagatgctgc taaagcagta ctttggggga   780
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<210> 1156

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1156

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ataaaacaga ctttaaacca acaaagatca aaagagacaa gggcattaca taatggtaaa 180
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cagagcatat cagacctng ggacacattt aaagcactgt gtagaaggaa atttatagcc 780
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<210> 1157

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1157

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tgnattttct cctgaaactt gtattttctt tggaccttta tgccaatgat atataanttg 780
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<210> 1158

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1158

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ctacccagaa ctgagaagtt gaaaatttga aggtgtgaag attaagagac gcgttacttt 780
aaaagataat ttaaaaggta tctttccagg cttgaccgg nggnccactt ctntagcct 840

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858

<210> 1159

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1159

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tgtcttccat ttcaacttca atgggctggc agtataccac ttctgacctc aaagaatgaa   180
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<210> 1160

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1160

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<210> 1161

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1161

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 gctttgtgga agaaggatgc tgtggaggga gcatatccaa gctctaaagt ggcatctct 240
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<210> 1162

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1162

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 gttttctggt gagtagacca tctgtcctaa atatatccaa taccagtttg caaagtcttt 180
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<210> 1163

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1163

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agggcacagt acataagaat caaaatagaa cacaatgct gtaatcaaat gcagacccca 180
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aaaagttingg ggang 855
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<210> 1164

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1164

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 ctgaattaaa cttcatgtgt tttatattagg ctttgtcaag ttagctatgg ttgtattaaa 180
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<210> 1165

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1165

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 gactcactgc agccttgaat actgggctca agccatccta tccccctna cctcagcctt 660
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<210> 1166

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1166

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<210> 1167

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1167

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<210> 1168

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1168

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<210> 1169

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1169

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<210> 1170

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1170

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<210> 1171

<211> 897

<212> DNA

<213> Homo sapiens

<400> 1171

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<210> 1172

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1172

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 ggaaacaggt gggcagatca cttgacatca ggagttcaag accagcctgg ccaacatggt 360
 aaaatctctt ctctactaaa aatacaaaaa ttagccaggc atggtggcac acgcctgtag 420

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 aaaaaaaaa annnaaaaaa aaaaggcaag cgaaactaaa ccatagtttt agaagactgt 600
 atagtaaata aattgggagt agttttgggg aaggaacctg agcttggctt ttgggatgat 660
 gataatgncc tatgcatgat ggtgatgtat tatatggagc tatgtgttaa tgatgnatac 720
 attatgng 728

<210> 1173

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1173

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<210> 1174

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1174

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cagccacctc ttcgacaacc ccgccacggt cttcttctct gtcttcatgg ccctctgggc 180
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<210> 1175

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1175

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tcactacttg cctcaagagg agcttgcct atgctaataa agattctata acattggcca 180
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<210> 1176

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1176

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 catgctggaa ctgtgtatgg aggagtgatg tataatttcag gaggaattac tcatgatact 180
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 atgaccactg tcagaggtct gcattgcatg tgtacagtgg gagaaaggct ctatgtcatt 300
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 gaaaccacac catcaccttc tanagagtcc ctctttctgc accttaagat catctctaca 660
 actaagatgc ttagattcta tctttgcaat gngtcataaa ttctcttctt tttcccttaa 720
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<210> 1177

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1177

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atggtggttg gctggtgagg cccagctgag ggagggttg gtcggccagg actggaaaca 180
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atgttaggtg gatgcctcan ttgaattcag tcttcttatt gggttaagant aagctttgtt 660
cacagaacta cttaccacc ttactgagt cccatggntc actgca 706

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<210> 1178

<211> 611

<212> DNA

<213> Homo sapiens

<400> 1178

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tgtgtatgac aactatgaaa actattgaga agaaatagtt acgtgataca gtcataatcc 180
tcaaaaacgg agaatcagga attatgatca aatagtgata gtaacaagga aaacatctgt 240

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ctaaataatt actgagtaga aataggttcg gaatttgtaa atagtcatta atttgggaga 300
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 cttcaaggaa atacaccttt ataagtaata ctcaataact actggggttg agaatgaagg 480
 tgtcagaacg aatgagattg tcctatgaaa gaagaggcag gagccaggga ggaggatccc 540
 acccgnccgg ggctcaacca ggaggcangg ccattggggc anggtggcag tccaaggaac 600
 cgctctggga a 611

<210> 1179

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1179

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 gggaagcaaa gggcttgccc gggattacct gccccagccc ctaggtgggt tgtgctccct 180
 gcagctgcca tcggcccgtt ttgcttcgtc ctggcagatg cccagtgtt gtccccgagc 240
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 gggtgaactg agtactgaga acccagagga cagagccac agcttccaag caggaaaagg 480
 gacctctctg aaaaatctgg ataaccagaa ttatcacagc accctctcat tcccagcgcg 540
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<210> 1180

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1180

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 gatgtaaccc catcataagt caaagagcat ctgtaaagac aaagtacttt agaaaaaaat 180
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<210> 1181

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1181

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ccggccaggg gcaaggaagt ctgcagaccc caagagacct tgtgatcatc cagcttgggc 480
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 aagcccacgg ctttcccgtg tcangtgctc acgcagcggt gtgggccggc ggccggggccg 660
 cananagcgc c 671

<210> 1182

<211> 647

<212> DNA

<213> Homo sapiens

<400> 1182

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 aatagcctta cctgaacatt aactcctcct atttgcccc attactccca gagattccgg 600
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<210> 1183

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1183

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aaagaaaaaa aaaagccagg tttgggtgtg cacacctgta gtcccagcta ctctggaggc	180
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<210> 1184

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1184

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atagagatag atctctcttt cccttacctt cctgtagcac tttgttatct atacctctca	180
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<210> 1185

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1185

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 cagctgtgtg accctgagca aatttttact tgacttttct gagcctgttt tctcttctgt 180
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<210> 1186

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1186

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<210> 1187

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1187

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<210> 1188

<211> 796

<212> DNA

<213> Homo sapiens

<400> 1188

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cagcttgtct tccagccatg ctgctggac ccccggcag gcttccatgt catcgatgcc 720

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<210> 1189

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1189

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<210> 1190

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1190

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aattaaaaaa tactatattg ctaaaagatg ctaccaatca tcgctgagcc ttcagtgagt  180
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ctccttgatg gattcttctt ttcacgaaag atttctccat agcatgccat gctgtttgat  360
agggttttac ccacagtaaa tcttctttca aaattggagt tgatcctctc gaatcctgct  420
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atcttgaggc tccacttatt ctaattctct tgctgggtgct accatatctg cagttacttc  660
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aacttctggg aatgggtgcta tttttacttc ctccatgaat catctattat taataataat  780
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<210> 1191

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1191

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aggtgggttac tacatatcta ctggctcaca taattcaaaa cagagtcatg cagctcctat  180
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 tctcaaagca tcttgatggt atcagttttt cttgggaaat aaggtttaang gtttgcttgg 780
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 naggttcaag ggaaggc 857

<210> 1192

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1192

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 agctaggaat taagcaccca ctccacagga agaagcttgt ttagcagtg aaagccatca 180
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 gctgcaatac ctaactgtga acgatttact cttcttataaa gtcaccagcc aactacatca 360
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 agggagtgga gtccatggag gcctcattat cctggagcca cgcttactg gggacaccct 600
 ggctatgctt ctcaacatcc cccacaaaa gacgtcctc aggcgccacc tgaccaccaa 660
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<210> 1193

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1193

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attttttagat attaaaagta ttttaaactg aaatgatgac tcatacgtgg atataagaaa  180
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ttgcttaaat gatatacctaa aataatctcc agctcattta ataactgcct tcactaaatt  660
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<210> 1194

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1194

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acatagtcaa ggctacacaa tatggaatat atgaacgctg tcgagaattg gtggaagcag   60
gttatgatgt acggcaaccg gacaaagaaa atgttacctt cctccattgg gctgccatca  120
ataacagaat agatttagtc aaatactata tttcgaaagg tgctattgtg gatcaacttg  180

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gaggggacct gaattcaact ccattgcact gggccacaag acaaggccat ctatccatgg 240
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 tgtttcagtt aaccttggtg acaagtatca caaaaacact gctctgcatt gggcagtgct 660
 agcagggat accacagtca ttagccttct tctggaagct ggagctaata gtgatgccca 720
 gaatatcaan gggcgaatca acgcttgatt ttggcaaaac agagaaaaaa tgtgtnggat 780
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<210> 1195

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1195

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 ttccaaatga ttgacacaca cttaggaaaa aaatttctgt tttcagaacg ttttggattt 120
 cagaattgca gataaaggat tgtggaccca taattttctc ctgttttgca ctggcggttag 180
 ttttaacttggt ggaccatcaa aaaaatatgt ttgagagagg acccttatca cctcttttgt 240
 ttaaaaagca aaataaactt tgtttccacc aaaatgcctg cctccccgac atttaggggc 300
 tgctgtggca ccattcctgt gtgtgtcccc ttggtagctt agttccaagc ttgacagttc 360
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 gtgaggaccg tcacagcttg cactgctcag caggcagctt ttctggacac cacactctcc 540
 ccaagccttt gnttcttgat ttggggagca ttgccatgg aaaccatttt ggctcatctt 600
 atcccatctc caggtggtct ccaaggcttt gccacacag tgccacaatg aaaaatgcag 660

cctggctcac cggtttgctt ttcacgtttt catcgcttat ttggctcatg gcacaatccc 720
acggaatcct ctgcaaangg tgggtgtgcg ccattccctt ntganccaag tgttggctct 780
t 781

<210> 1196

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1196

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tcccactacc attaacactg gcagaggtag tgagtttgag ggtgcagtca tagctctgtt 180
ccatttgttg gccaccagga cggacaaagt ccgagcttta cgggaggctt tttatcggca 240
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gcagatggta atgaaggggc caccgagata cctctatggg catgagctta ataggacatc 780
ccaccgcaac tgcgtttgcg gnttgtgcat tggcgccttg tcaatgctgg cttgatttct 840
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tt 902

<210> 1197

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1197

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aaaaggaggc agtttaccag aagacgtata ggaagtgaat aaccagtggt tcttttatct 120
ttgtctgtac tttctcttta ggtgactgtc ttcctttcct tggcttttagc tacagatgaa 180
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tcatagcatt taccataatt tttatgtttg ccatttggtt aaaacatgcc tctctcttcc 660
gctagaccgt aagcttcaag aatgcaggca ccatgccagt ttggtcacga ctattaagcc 720
aggacctaca catagtaggn actcagtaat ttcttgggtga atgaaaaaca gggtaatgcc 780
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<210> 1198

<211> 824

<212> DNA

<213> Homo sapiens

<400> 1198

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atcaaatgac atattttatt gatttattgc agattcagtg catatgagcc aaattgttga 180
gtgtgtaaga gctatattgt gtattttatt aaattaatat atagttgtgt tgcaaaaata 240
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tttgggctta tattgtaaat ggcaagtgtt gccttggttag ctgtcgaact ctatgagttt 300
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 agtgagctga tggagctaac tgaaagggtca aaaattacat ccatcagcca tggttatgtg 480
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 ttttgaaaac atgaaaaatg ctttaaatgca tgtatgtcca gcagtggnta cttgcattgg 720
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<210> 1199

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1199

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 ttcactggcc tttcaccaga cactgattat ggctgcactg tttttgtgca gacaccaaatt 180
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 agttgggtgct actttgagga agggctaaag gagggagaga tggctctcgc tgagaagggtg 480
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 agatctttat tttctgtagc tgtagtggat gttgaatgac taccagtgc atcaatttgg 600
 atggaataaa atccccagca tgtcagtacc gatgacaatg ggtctcattt tgnacaactt 660
 gatttgggtat ccaggattta aattgctctt aaaatttact ttctgggata tcaaattgtc 720

ccatggngng gttttataat ta

742

<210> 1200

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1200

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gccagagtgt gcaacaacga aagcttgacc tcctgacgat aaccagccct gacaatctcc 180
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gggacgctgt gaaagcagga actggccgcg cttcctcggt ggacttcttg accacacttt 720
ctattgnttc accctaaagn ctncct 746

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<210> 1201

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1201

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 caattcttct gcctcagcct ccaagtagct gggattacag gcacgcgcca ncacgcccc 720
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<210> 1202

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1202

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 ttttctctc ctggccacg gagttcagct tcaatgtgcc ctcatccca gtcacccagg 180
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atcgncatac ccctggcagc agcagggcta atccttacat tgcaccaccc cagctgcagc 660
aatgccaac accangcct nctgctcacc cttcaacctt ctggaccccc ctggttcaaa 720
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<210> 1203

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1203

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cctagatttg tttctagggg gaaaatatgg ccgtgtttgc ttctgatgta tataaaatct 180
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<210> 1204

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1204

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tctttgattt tattgtttct attaatggtt caagattaaa taaagacaat gacactctta	180
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<210> 1205

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1205

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tcctggatgg gctggatggg ctcccgtgtt cttaccaat ggcagcgta ccagcaccaa 360
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<210> 1206

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1206

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 cccacactta gacatatcag tcaaaccgtt aaaagacaca gaatctttta aggagcaaag 180
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 aaaattatcc aggtatgggtg gtatgcacct atagtcccag ctactttgtg ggagctaata 720
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<210> 1207

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1207

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<210> 1208

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1208

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gattctactt cctaaaaacc ctgagcactt tgtggtgtgc aacagatcaa acacggtgtg 180

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<210> 1209

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1209

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agatggttcc agcagctgtt tccattcag aattctggca tcggtatttc tataaagtcc 600
atcagttaga gcaggagcag gcccgagggg acgccctgaa gcagcgggcg gaacagagca 660

tctctgaaga gcccggtgg gaggaggagg aagaggagct catgggcatt tcacccatat 720
cttcaaaaga ngcaaangnt 740

<210> 1210

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1210

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accccaaact ctaaacatct gcataccttg tataaatttc cacttatgaa gctgaaattg 240
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ctaaaatggg aaaatacata tttgggggtt atgatttgat ggcgacgttc aantgcgttg 540
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<210> 1211

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1211

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ctatacttga ggctgccatc aagagtgaga agtttgaagc tggaagagcc tgcattggcc 180

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 aggtagagtt actcattata ggcaggtttc attgtaggag tattcagtga ggacccccgc 540
 cttggaagtc tgtaatcagc atatgataag gatggtgtgt tcttactaag agaataacac 600
 aactgaaaca gaattgcctt ttgttaaggg gatgctttgc cttcttggac tacnattgtg 660
 gggagaagga ttattgncaa ctaagtgagg cattcattct gtcccactat ttaatgnagt 720
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<210> 1212

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1212

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 ttctgagaaa attgagaata gagttgctga cctgagagtc atggtgtttg ggatacagtt 240
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<210> 1213

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1213

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attatgatga gtaactggag gggccttagaa acaaaaactg gatgaaagag tatgcatgaa    180
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gataagtact taaagaacag acagtttact tggcctaaaa atattttgat gtttactcaa    300
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cgtataatgc tggttggatc tggtnccaat ggtgatgctg tgggtaatgt gcttanagcc    780
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<210> 1214

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1214

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<210> 1215

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1215

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<210> 1216

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1216

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<210> 1217

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1217

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<210> 1218

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1218

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<210> 1219

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1219

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